

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: El Paso E&P Company, L.P. attn. Marie Okeefe		9. WELL NAME and NUMBER: Owl & Hawk 2-31B5	
3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 1900 CITY <u>Denver</u> STATE <u>Co</u> ZIP <u>80202</u>		PHONE NUMBER: (303) 291-6417	10. FIELD AND POOL, OR WILDCAT: Altomont/BlueBell <u>55</u>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2215' FSL & 1199' FEL AT PROPOSED PRODUCING ZONE: <u>543670X 4456781Y 40.262249 -110.486446</u> <u>542660X 4457480Y 40.268597 -110.498271</u> <u>700 FNL 700 FNL</u>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 31 T2S R5W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 15.18 miles Northwest of Duchesne, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1199'	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 13,946	20. BOND DESCRIPTION: 400JU0708	
21. ELEVATIONS (SHOW WHETHER DF, RT, OR, ETC.): 6269 ungraded ground	22. APPROXIMATE DATE WORK WILL START: Upon Approval	23. ESTIMATED DURATION: 56 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2	13 3/8	600	Class G 550 sx 1.15cuft/sx 15.6 lb/gal
12 1/4	9 5/8" N-80 40 lb	5,516	Lead: Prem Lite 600 sx 3.2cu/ft/sx 11 lb/gal
			Tail: Class G 150 sx 1.25 cuft/sx 14.4 lb/gal
8 3/4	5 1/2" HCP 110 20 lb	13,945	Class G 1250 sx 1.86 cuft/sx 13.5 lb/gal

ATTACHMENTS PLEASE KEEP ALL INFORMATION CONFIDENTIAL

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Larry D. Brown TITLE Agent for El Paso E&P Company, L.P.

SIGNATURE *Larry D. Brown* DATE 10-30-08

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED

NOV 03 2008

DIV. OF OIL, GAS & MINING

API NUMBER ASSIGNED: 43015-34123

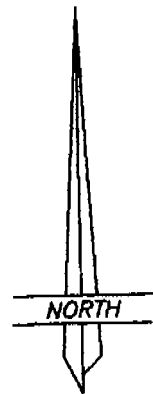
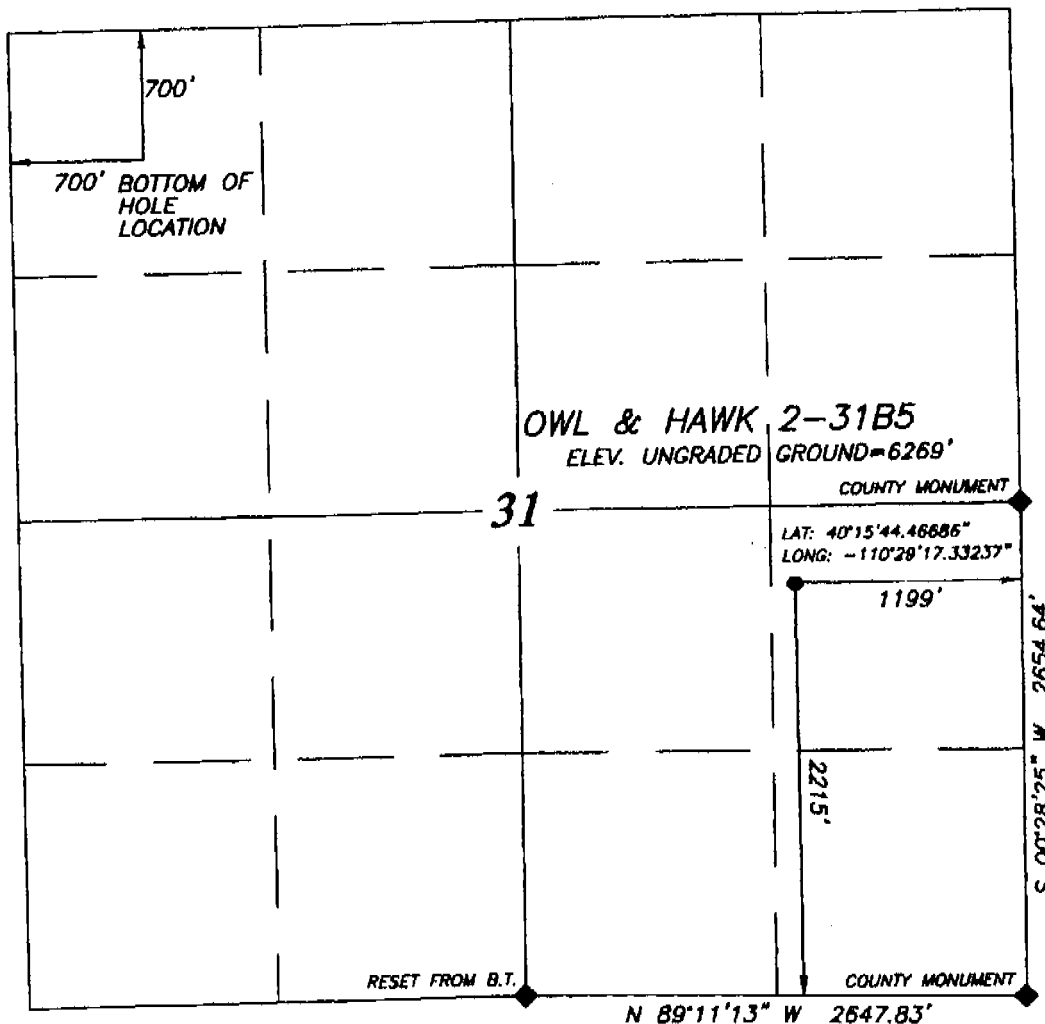
APPROVAL:
Date: 01-12-09
By: *[Signature]*

EL PASO E & P COMPANY, L.P.

WELL LOCATION

OWL AND HAWK 2-31B5

LOCATED IN THE NE¼ OF THE SE¼ OF
SECTION 31, T2S, R5W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



SCALE: 1" = 1000'



LEGEND AND NOTES

CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

BASIS OF BEARINGS: G.P.S. OBSERVATION WITH BASE STATION AS INDICATED

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE POST PROCESSED GPS ELEVATION AT THE BASE STATION OF 6130.71

BASE STATION
LAT: 40°15'51.65149"
LONG: 110°28'18.04148"

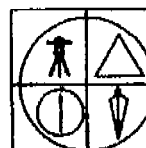
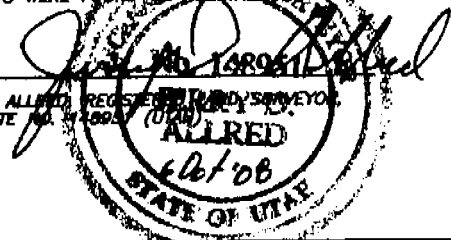
REV 6 OCT 2008

2 AUG 2008 01-128--047

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND AS INDICATED.

JERRY D. ALLRED, REGISTERED SURVEYOR
CERTIFICATE NO. 12805 (UTAH)



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST. -- P.O. BOX 973
DUCHESNE, UTAH 84021
(435) 738-5352

November 7, 2008 (Revision to original dated October 13, 2008)

Ms Lisha Cordova
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling R649-3-11
Owl and Hawk 2-31B5
31-T2S-R5W
Duchesne County, Utah

Surface Location: 31-T2S-R5W NESE 2215' FSL & 1199' FEL

Bottom Hole Location: 31-T2S-R5W NWNW 700' FNL & 700' FWL

Dear Ms. Cordova:

El Paso E & P Company, LP hereby submits this document in accordance with Oil & Gas Conservation Rule R649-3-11.

El Paso is submitting an application for a permit to drill this well directionally due to the fact that El Paso has had considerable delay in obtaining permission to access location over tribal surface.

Nor-Tex is the only other working interest owner in section 31. El Paso has a document of consent to drill the subject well. The consent is dated 10/21/08.

Nor-Tex Gas Corporation
P.O. Box 515946
Dallas, Texas 75251-5946

Sincerely,



Marie O'Keefe
Sr. Regulatory Analyst
303.291.6417

**Owl & Hawk 2-31B5
NESE Sec. 31, T2S, R5W
DUCHESNE COUNTY, UT**

EL PASO E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

<u>Formation</u>	<u>MD</u>	<u>TVD</u>
Green River	5,848'	5,617'
Mahogany Bench	6,743'	6,467'
L. Green River	8,191'	7,839'
Wasatch	9,835'	9,363'
TD	13,946'	13,100'

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	5,617'
	Mahogany Bench	6,467'
Oil	L. Green River	7,839'
Oil	Wasatch	9,363'

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 600'. A 13 5/8" Annular from 600' to 5,848' MD on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 5,848' to 9,835' MD. A 7-1/16", 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 9,835' to 13,946' MD. The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFIC FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU an 13 5/8" 5M BOP, 5M Annular. This equipment will be nipped up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be tested to 1500 psi. Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low test and 2500 psi high test or 50% of rated working pressure. A 10M BOP installed with

5M annular with 3 ½" rams, blind rams, mud cross and rotating head from 9,327' to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision 426 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M psi and 10M psi systems.

Auxiliary Equipment:

- A) Mud logger with gas monitor – surface casing shoe to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shale shakers, and mud cleaner.

4. Proposed Casing & Cementing Program:

Hole Size	Size	Grade	Thread	Weight	Setting Depth
17 1/2	13 3/8	J-55	LTC	54.5 lb/ft	600
12 ¼"	9 5/8"	N-80	LTC	40 lb/ft	5,516TVD/5,748MD
8 ¾"	5 1/2"	HCP 110	LTC	20 lb/ft	13,133TVD/13,945MD

Conductor: 550 sacks Class G. 15.6 lb/gal, yield 1.15 cuft/sx, w 3% CaCl₂

Surface Cement: Lead 600 sacks Premium Lite II 11 lb/gal, yield 3.2 cuft/sx,
Plus 2% CaCl₂ 0.3% FL52 0.5% Sodium Metasilicate

Tail: 150 sacks Class G 14.4 lb/gal, yield 1.25 cuft/sx, 50:50 poz 2% CaCl₂ 2%
gel 0.3% Sodium Metasilicate

Production Cement: 1,250 sacks Class G 13.5 lb/gal, yield 1.86 cuft/sx, 50:50 poz
4% gel .4%HR601 5pps silicate .5% Halad 344, 3% Halad 413, 5% super CBL,
6% Welllife 665

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 10.0
Production	WBM	8.4 – 13.5

Anticipated mud weights are based on actual offset well mud weights with safety margin. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

GR, Density, Neutron, Res/ 6000 to TD
GR to Surface

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13133' TD equals approximately 9210 psi (calculated at 0.7013 psi/foot).

Maximum anticipated surface pressure equals approximately 6,320 (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

[illegible]

**Owl & Hawk 2-31B5
NESE Sec. 31, T2S, R5W
DUCHESNE COUNTY, UT**

EL PASO E&P COMPANY, L.P.

Related Surface Information

- 1) **CURRENT SURFACE USE:** Livestock Grazing and Oil and Gas Production.
- 2) **PROPOSED SURFACE DISTURBANCE:**
 - a) The road will be crown and ditch. Water wings will be constructed on the access road as needed.
 - b) The topsoil will be windrowed and respread in the borrow area.
 - c) New road to be constructed will be approximately 0.04 miles in length, 25 feet wide.
 - d) All equipment and vehicles will be confined to the access road, pad and area specified in the APD.
- 3) **LOCATION OF EXISTING WELLS:**

Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

Water for drilling will be obtained from an underground well located in SWNE Sec 32 T2S R4E, Water Use Claim #43-7323
- 4) **EXISTING/PROPOSED FACILITIES FOR PRODUCTIVE WELL:**
 - a) There are no existing facilities that will be utilized for this well.
 - a) The pipeline will be constructed as shown on Exhibit C. A pipeline corridor 5700 feet will parallel the proposed and existing access roads to the 1-32B5 location. The corridor will contain one 4 inch gas line, one 2 inch gas line and one 2 inch water line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
 - b) Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.
- 5) **CONSTRUCTION MATERIALS:**

Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

6) METHODS FOR HANDLING WASTE DISPOSAL:

- a) The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of $\frac{1}{2}$ the total depth below the original ground surface on the lowest point within the pit. The pit will be lined with a 9-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- b) Garbage and other trash will be contained in a portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig move off location and hauled to an authorized disposal site.
- c) Sewage will be handled in Portable Toilets.
- d) Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from location at a later date.
- e) Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's.

7) ANCILLARY FACILITIES:

There will be no ancillary facilities associated with this project.

8) SURFACE RECLAMATION PLANS:

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared

- a) Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 - 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 - 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 - 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- b) Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

2. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
3. Landowner will be contacted for rehabilitation requirements.

9) SURFACE OWNERSHIP:

Surface negotiations are in progress. An affidavit of Facts will follow this application.

Owl and Hawk, L.C
C/O Mary Stanley
7340 Binnacle Drive
Carlsbad, California 92009-4680

10) OTHER INFORMATION:

- a) The surface soil consists of clay, and silt.
- b) Flora - vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- c) Fauna - antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- d) Current surface uses – Livestock grazing and mineral exploration and production.

AFFIDAVIT OF SURFACE DAMAGE AGREEMENT

Mike James personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Mike James. I am a Sr. Staff Landman for El Paso E&P Company, L.P., whose address is 1099 18th Street, Suite 1900, Denver, Colorado 80202 ("El Paso").
2. El Paso is the Operator of the proposed Owl & Hawk 2-31B5 well with a surface location to be located in the NE/4SE/4 of Section 31, Township 2 South, Range 5 West, Duchesne County, Utah (the "Drillsite Location") and a bottom hole location to be located in the NW/4NW/4 of Section 31, Township 2 South, Range 5 West, Duchesne County, Utah (the "Bottom Hole Location"). The surface owner of the Drillsite Location is Owl & Hawk, L.C., C/O Mary Stanley, 7340 Binnacle Drive, Carlsbad, California 92009-4680 (the "Surface Owner"). We have secured a surface owner's agreement effective as of September 30th, 2008.
3. El Paso and the Surface Owner have agreed upon a damage settlement and release agreement covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.


Mike James

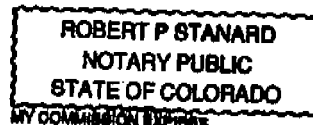
ACKNOWLEDGEMENT

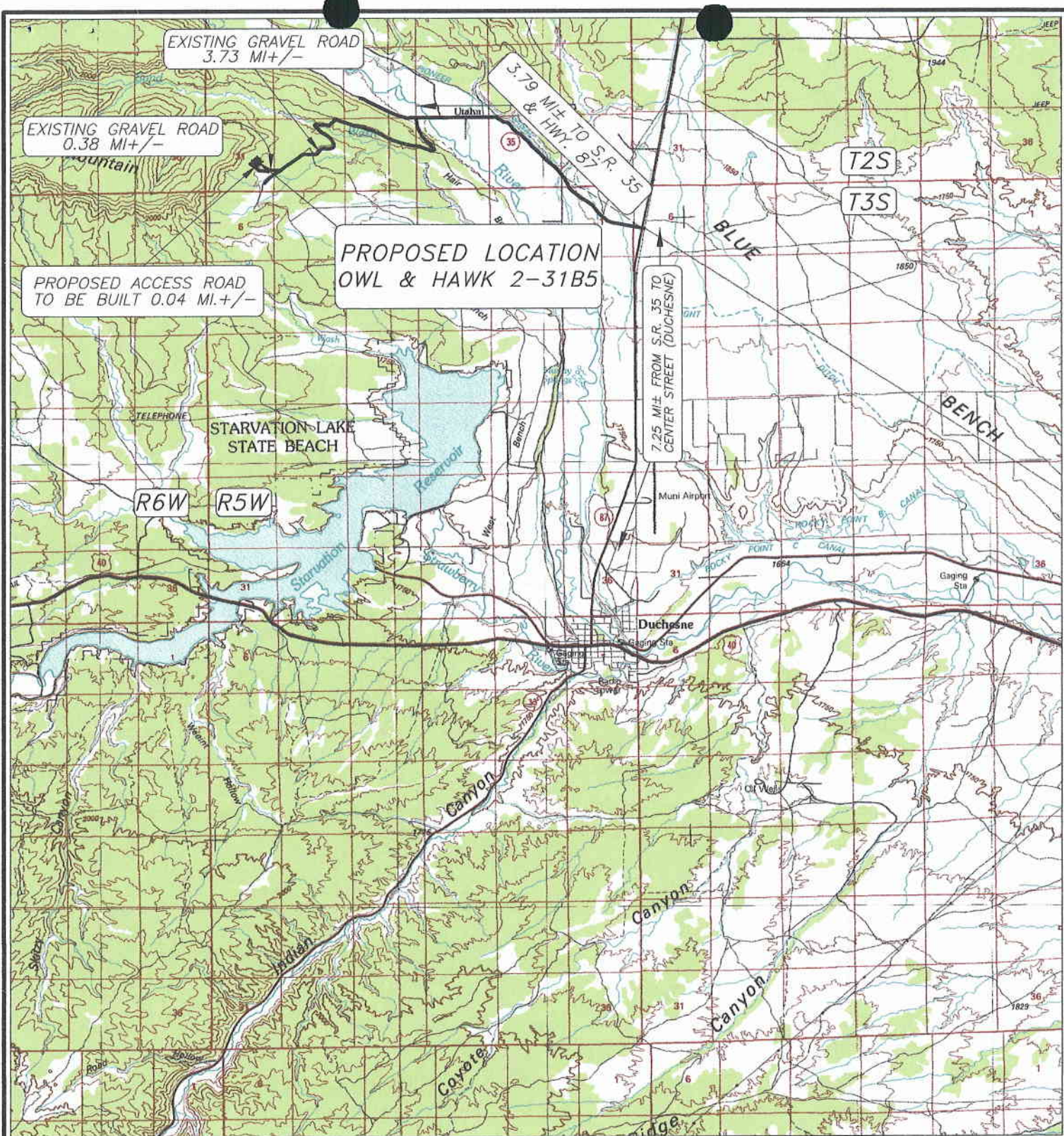
STATE OF COLORADO §
CITY AND §
COUNTY OF DENVER §

Before me, a Notary Public, in and for this state, on this 21st day of October, 2008, personally appeared Mike James, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.


NOTARY PUBLIC:

My Commission Expires: 05/13/2012



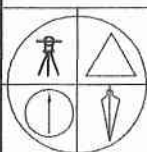


LEGEND:



PROPOSED WELL LOCATION

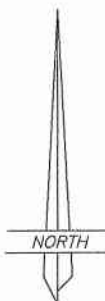
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JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975
DUCHESE, UTAH 84021
(435) 738-5352

NORTH



EL PASO E & P COMPANY, L.P.

OWL & HAWK 2-31B5

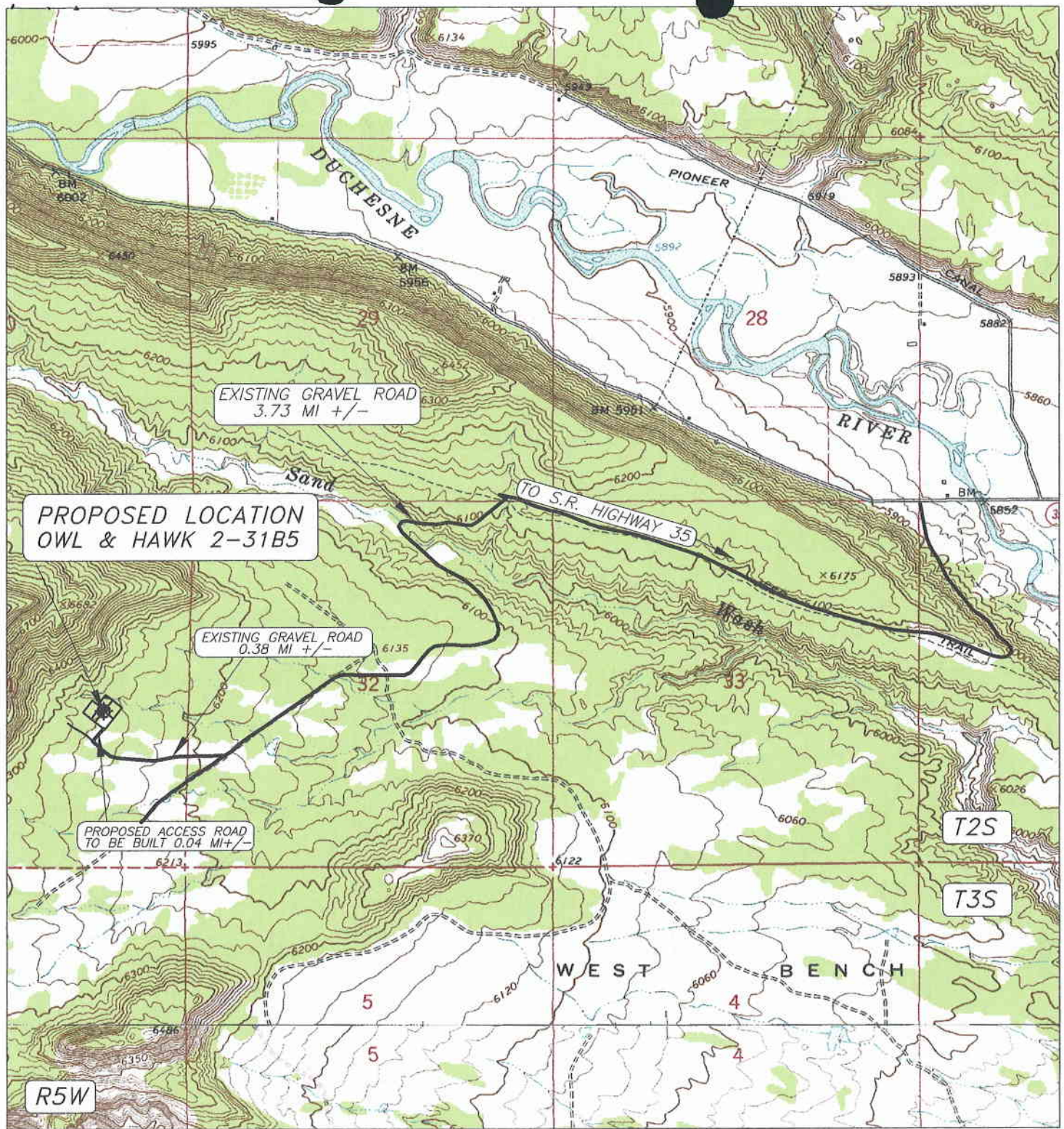
SECTION 31, T2S, R5W, U.S.B.&M.

2215' FSL 1199' FEL





TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'

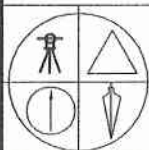
29 JULY 2008



LEGEND:

-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING PAVED ROAD

0-128-47



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975
DUCHEсне, UTAH 84021
(435) 738-5352

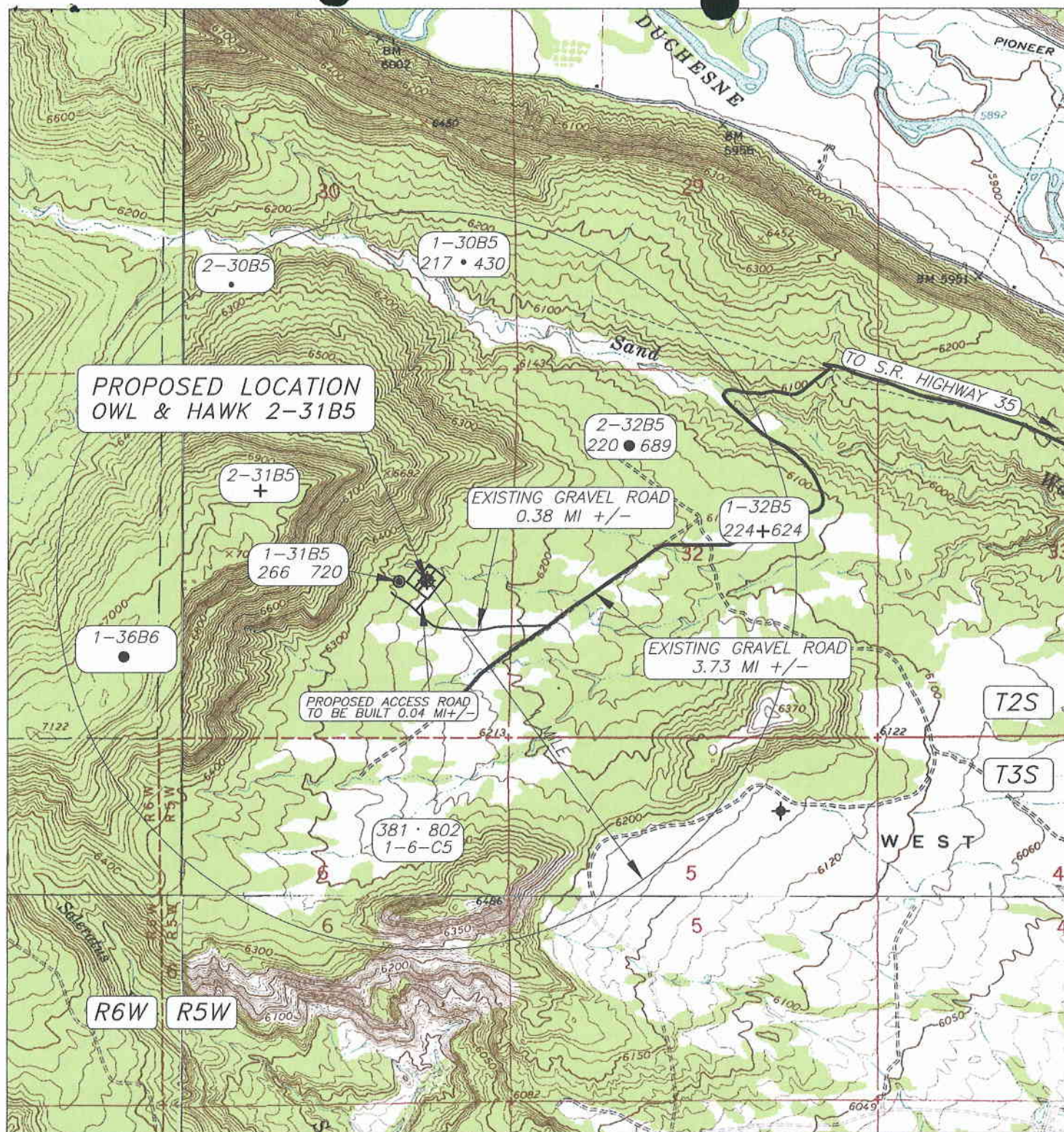


EL PASO E & P COMPANY, L.P.

OWL & HAWK 2-31B5
SECTION 31, T2S, R5W, U.S.B.&M.
2215' FSL 1199' FEL

TOPOGRAPHIC MAP "B"

SCALE: 1"=2000'
29 JUL 2008



LEGEND:

◆ PROPOSED WELL LOCATION

2-25C6

● ○ + ◆

OTHER WELLS AS LOCATED FROM
SUPPLIED MAP

01-128-047

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

EL PASO E & P COMPANY, L.P.

OWL & HAWK 2-31B5
SECTION 32, T2S, R5W, U.S.B.&M.
2215' FSL 1199' FEL

TOPOGRAPHIC MAP "C"

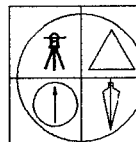
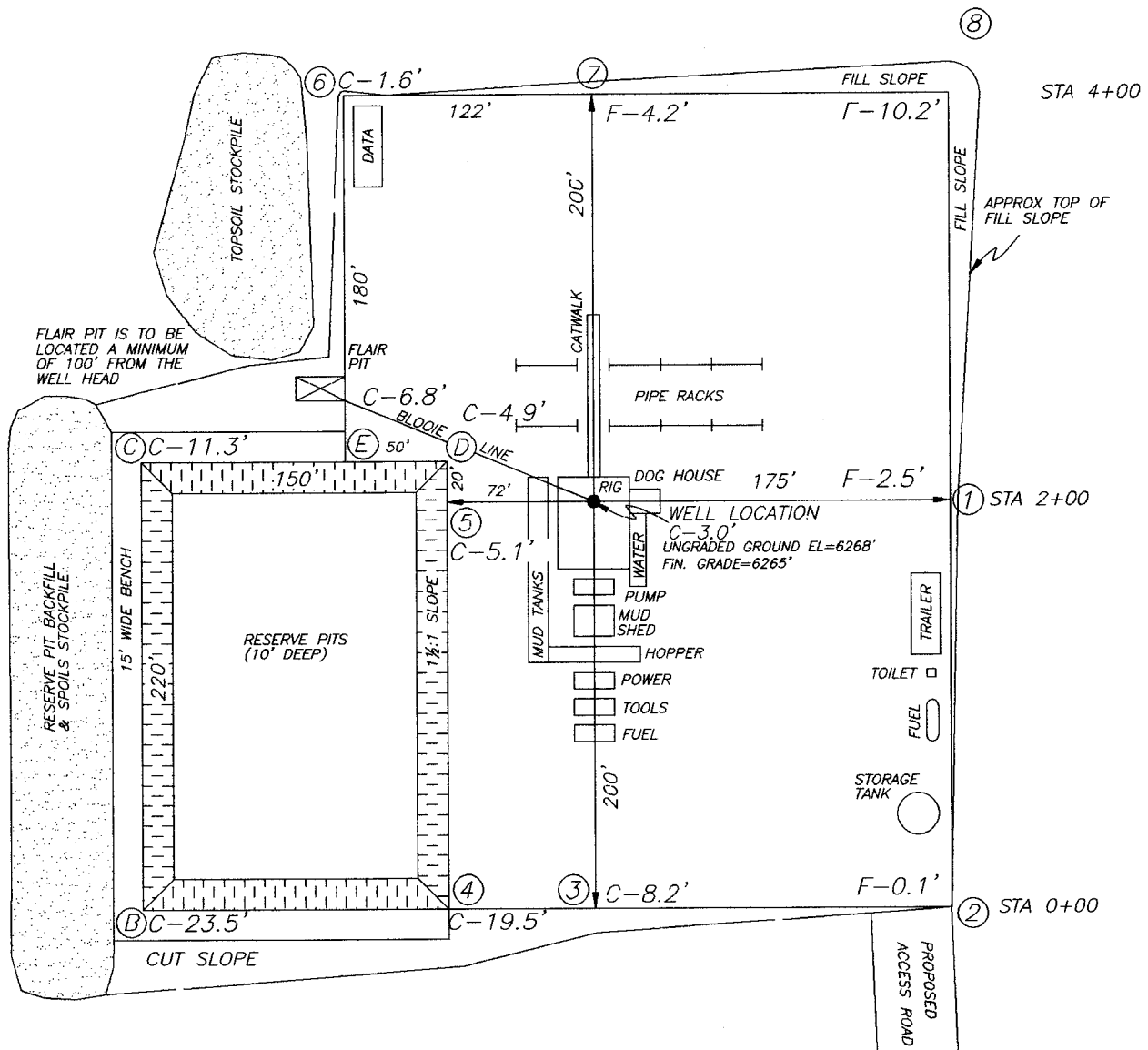
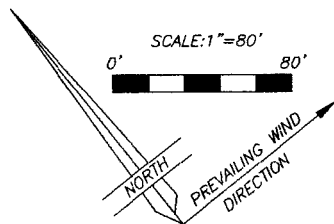
SCALE: 1"=2000'
29 JUL 2008

NORTH

FIGURE #1

OWL & HAWK 2-31B5

2215' FSL, 1199' FEL

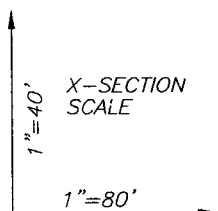


121 NORTH CENTER ST.--P.O. BOX 975
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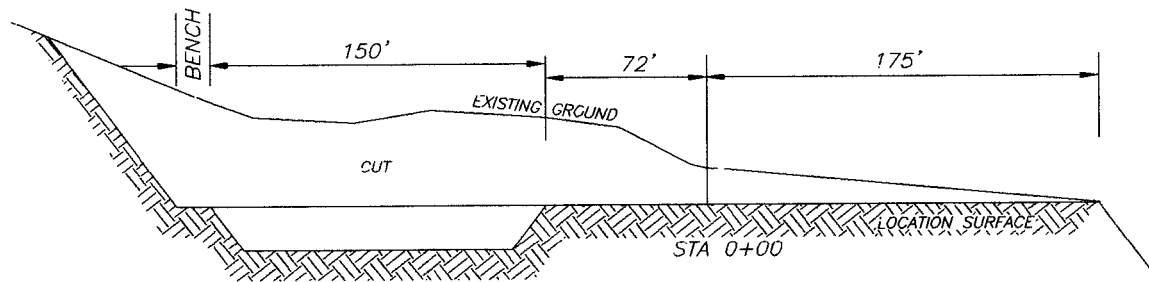
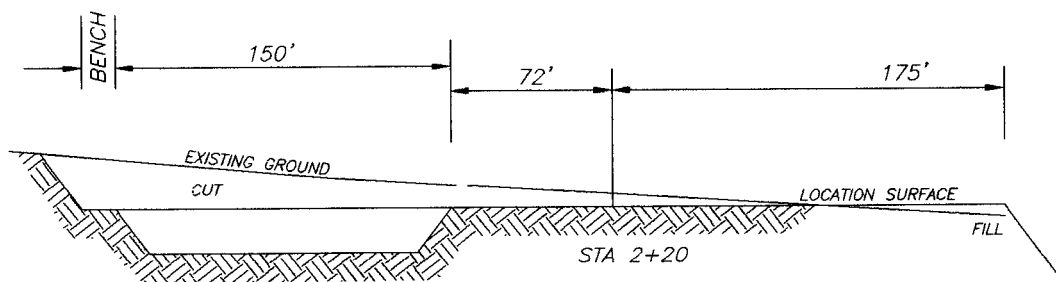
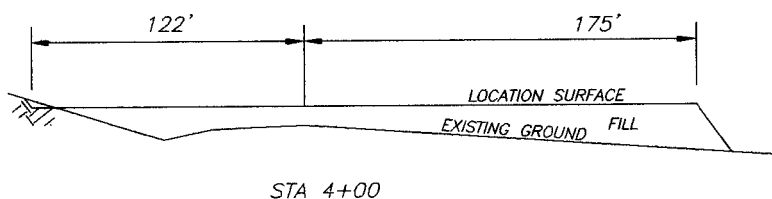
EL PASO E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
OWL & HAWK 2-31B5
SECTION 31, T2S, R5W, U.S.B.&M.
2215' FSL, 1199' FEL



NOTE: ALL CUT/FILL
SLOPES ARE 1½:1
UNLESS OTHERWISE
NOTED



APPROXIMATE YARDAGES

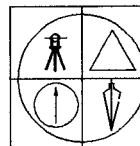
TOTAL CUT (INCLUDING PIT) = 46,245 CU. YDS.

PIT CUT = 10,265 CU. YDS.

TOPSOIL STRIPPING: (6") = 2607 CU. YDS.

REMAINING LOCATION CUT = 33433 CU. YDS.

TOTAL FILL = 7000 CU. YDS.

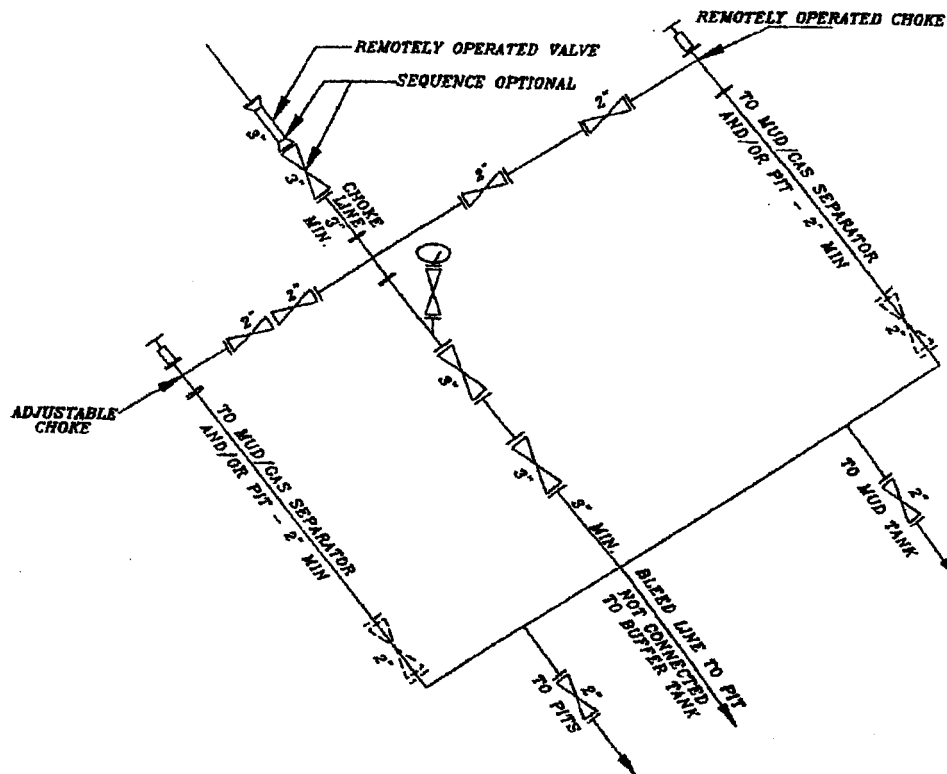
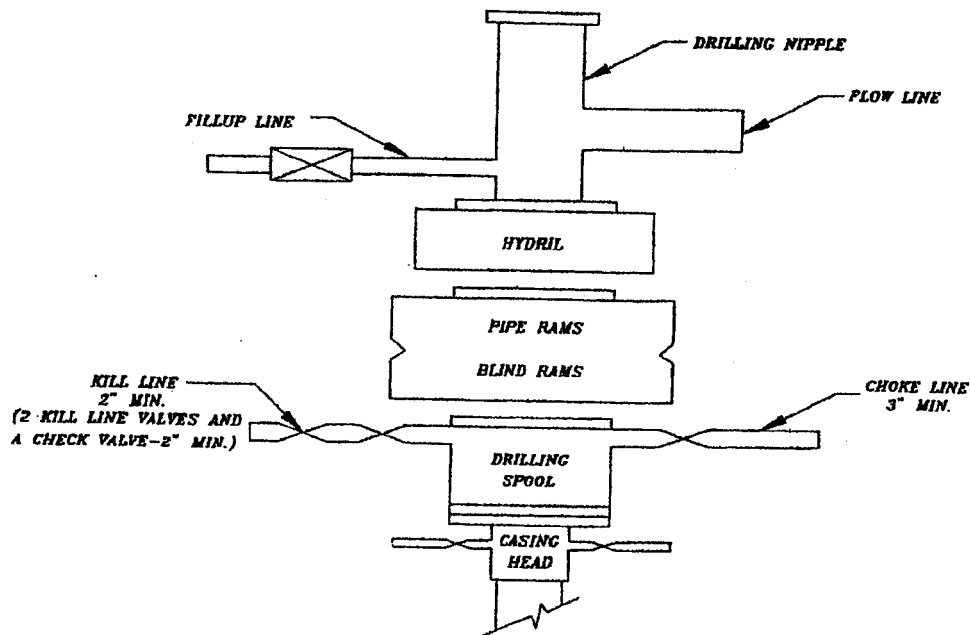


JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

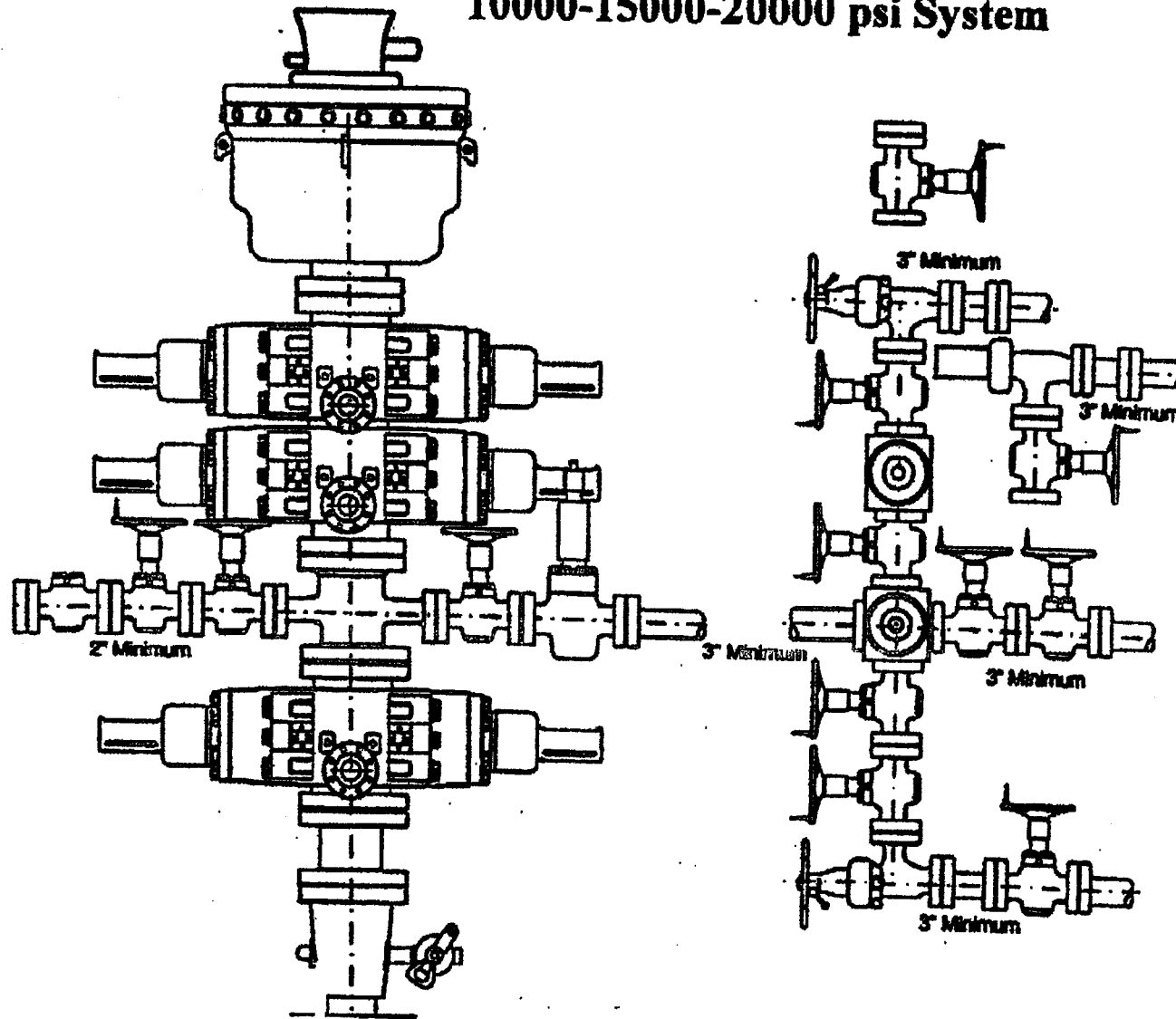
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESTER, UTAH 84021
(435) 738-5352

4 AUG 2008 01-128-047

5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/03/2008

API NO. ASSIGNED: 43-013-34123

WELL NAME: OWL & HAWK 2-31B5

OPERATOR: EL PASO E&P COMPANY, LP (N3065)

PHONE NUMBER: 303-291-6417

CONTACT: LARRY BROWN

PROPOSED LOCATION:

NESE 31 020S 050W

SURFACE: 2215 FSL 1199 FEL

BOTTOM: 0700 FNL 0700 FWL

COUNTY: DUCHESNE

LATITUDE: 40.26225 LONGITUDE: -110.4865

UTM SURF EASTINGS: 543670 NORTHINGS: 4456781

FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	1/12/09
Geology		
Surface		

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: WSTC

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

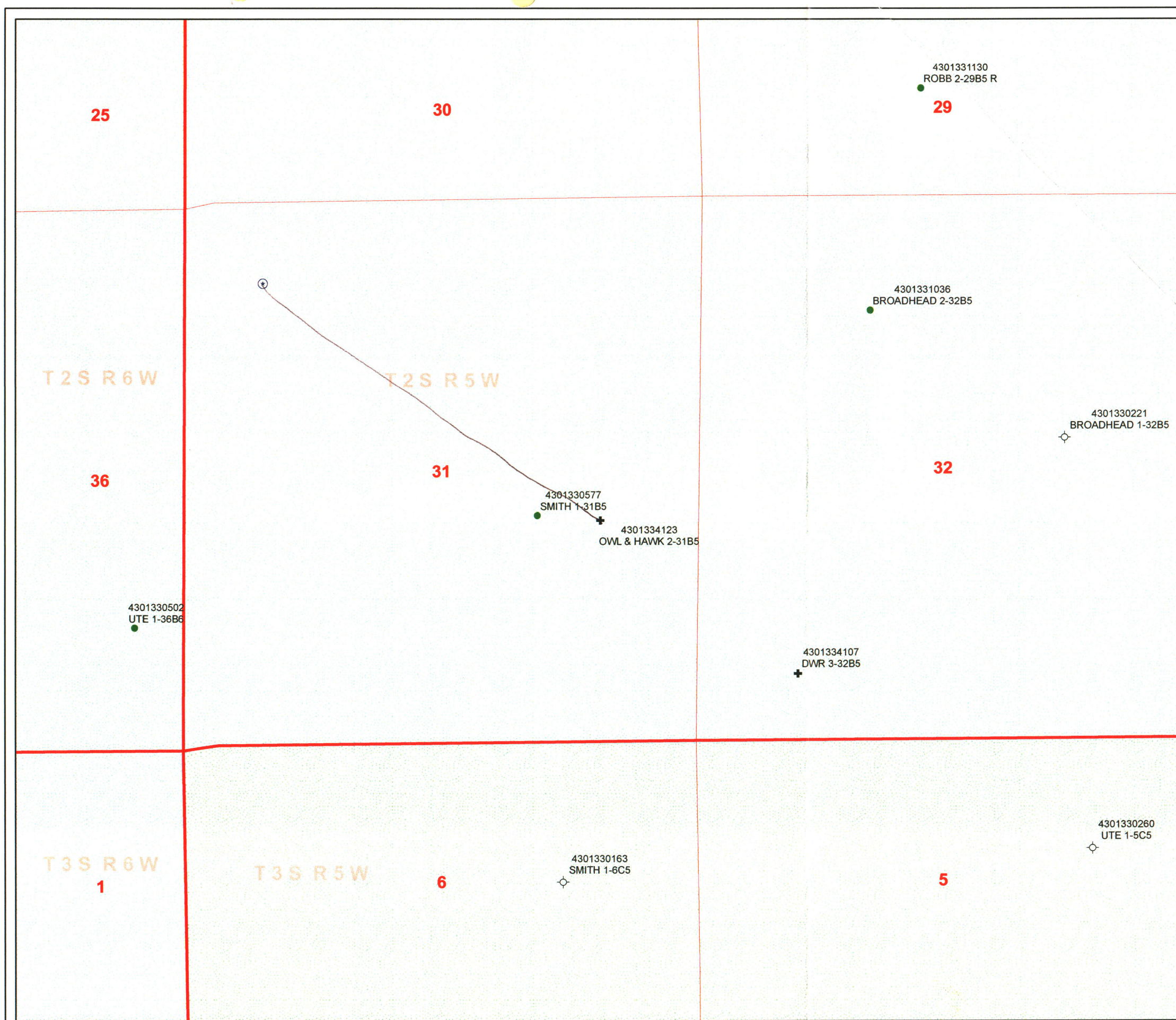
☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 400000708)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-7323)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.
Unit: _____
 R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 134-42
Eff Date: 4-12-1985
Siting: 1660' from u.b.d.g. E 1320' from other wells
☒ R649-3-11. Directional Drill

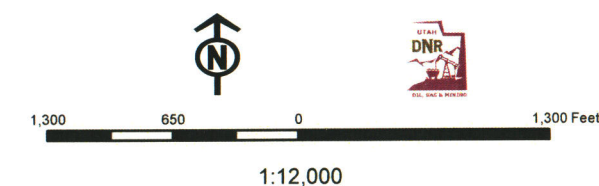
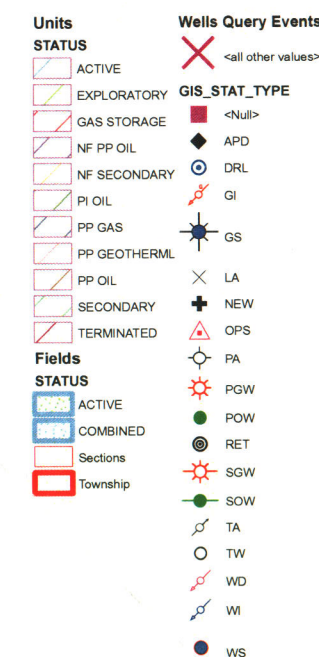
COMMENTS: None present (12-17-08)

STIPULATIONS: 1- STATEMENT OF BASIS
2- Cement Step #4 (13 3/8" and 9 5/8")



API Number: 4301334123
Well Name: OWL & HAWK 2-31B5
Township 02.0 S Range 05.0 W Section 31
Meridian: UBM
Operator: EL PASO E&P COMPANY, LP

Map Prepared:
Map Produced by Diana Mason



Application for Permit to Drill

Statement of Basis

12/23/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
1180	43-013-34123-00-00		OW	P	No
Operator	EL PASO E&P COMPANY, LP		Surface Owner-APD		
Well Name	OWL & HAWK 2-31B5		Unit		
Field	ALTAMONT		Type of Work		
Location	NESE 31 2S 5W U 2215 FSL 1199 FEL GPS Coord (UTM) 543670E 4456781N				

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 5,516 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 4,300 feet. A search of Division of Water Rights records indicates that there are 12 water wells within a 10,000 foot radius of the center of Section 31. These wells range in depth from 25-700 feet. The wells are listed as being used for irrigation, stock watering, oil exploration and domestic. The closest wells are located over a mile from the proposed location and are used for oil field drilling water. The proposed drilling, casing and cement program should adequately protect usable ground water in this area.

Brad Hill

12/23/2008

APD Evaluator

Date / Time

Surface Statement of Basis

The presite inspection was conducted on 12/17/2008. In attendance were Wayne Garner and John Whiteside representing El Paso E&P and Richard Powell (DOGM). Land owner Mary Stanley was invited to attend this presite but stated that she had visited the site previously with Wayne Garner and was comfortable with the plans El Paso had for this location. Ms. Stanley gave permission to conduct the presite without her, but she did request by telephone that all the production equipment be painted olive black. Wayne Garner and John Whiteside both stated that a signed agreement had been entered into between the land owners and El Paso E&P and that the land owners had already been paid for surface use. Wayne Garner stated that a 20 mil liner would be used for this reserve pit, which will be adequate.

Richard Powell

12/17/2008

Onsite Evaluator

Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EL PASO E&P COMPANY, LP
Well Name OWL & HAWK 2-31B5
API Number 43-013-34123-0 **APD No** 1180 **Field/Unit** ALTAMONT
Location: 1/4,1/4 NESE **Sec** 31 **Tw** 2S **Rng** 5W 2215 FSL 1199 FEL
GPS Coord (UTM) 543592 4456804 **Surface Owner**

Participants

Wayne Garner and John Whiteside (El Paso E&P Co.), Richard Powell (Utah DOGM)

Regional/Local Setting & Topography

This location is set on a gradually eastward sloping expanse which extends from the eastern base of BlackTail Mtn. This gradually sloping area drains eastward to Sand Wash and then to the Duchesne River approximately 2 miles north east of the location. Duchesne, UT is approximately 15 miles south east.

Surface Use Plan

Current Surface Use

Wildlife Habitat

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0.04	Width 300	Length 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Flora: Grasses (Galletta, Indian rice, needle and thread), yucca, prickly pear, pinyon, juniper, brigham tea, sage

Fauna: Bear, Cougar, Bob Cat, Deer, Elk, Rabbit, Raptors

Soil Type and Characteristics

Sandy Loam top soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run?

Paleo Potential Observed? N

Cultural Survey Run? Y

Cultural Resources?

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 30 1 **Sensitivity Level**

Characteristics / Requirements

Reserve pit will be 150 feet wide by 220 feet long by 10 feet deep. A 20 mil liner and felt subliner will be used.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Richard Powell
Evaluator

12/17/2008
Date / Time



Online Services

Agency List

Business

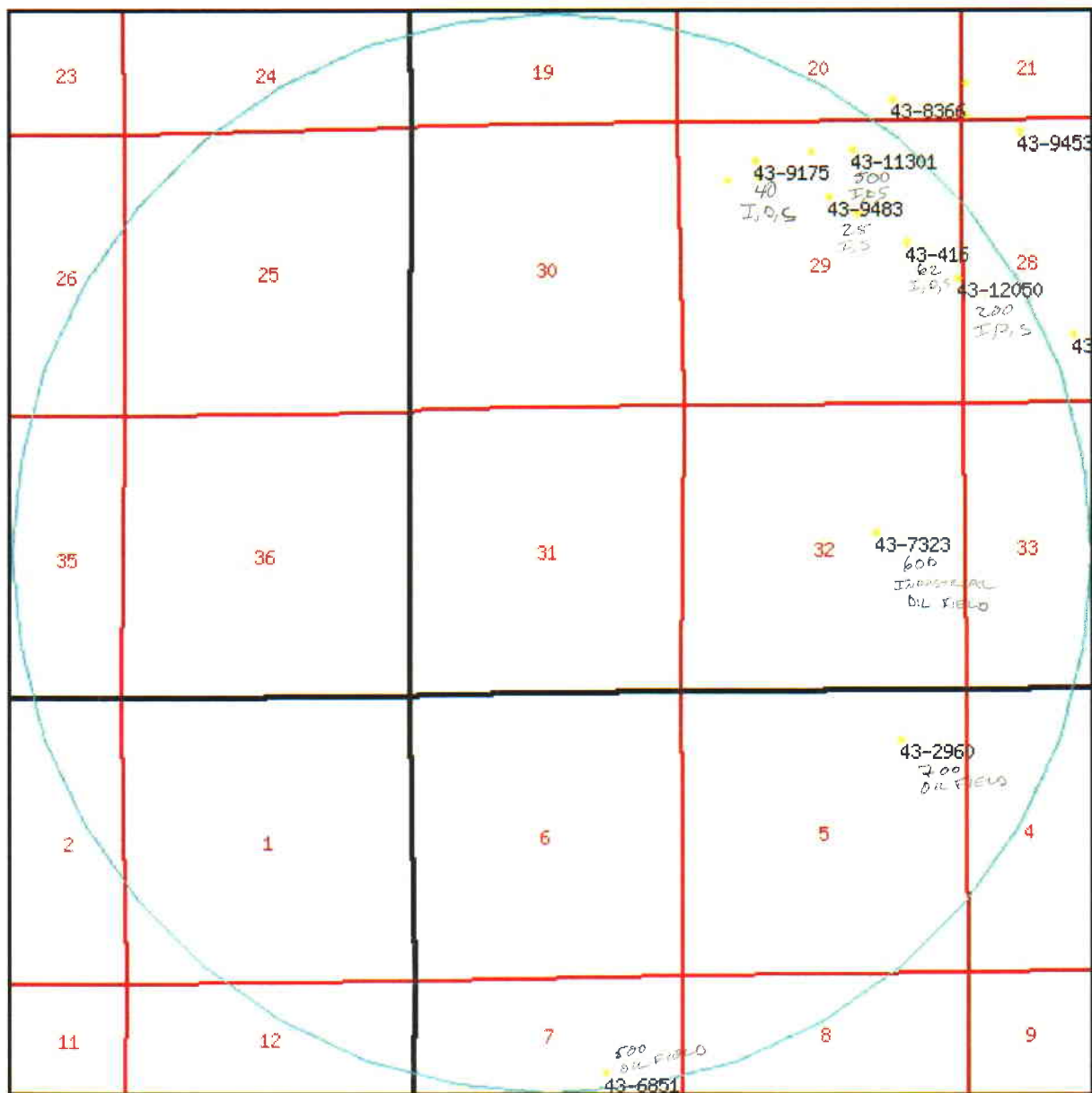
Utah Division of Water Rights

WRPLAT Program Output Listing

Version: 2007.04.13.01

Rundate: 12/23/2008 01:27 PM

Radius search of 10000 feet from a point N2640 E2640 from the SW corner, section 31, Township 2S, Range 5W, US b&m Criteria: wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



0 1300 2600 3900 5200 ft

Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner
<u>43-11228</u>	Underground S530 E2450 NW 29 2S 5W US	<u>well info</u>	A	20020321	DIS	0.000	1.730	MARK BARTON 295 NORTH SPRING
<u>43-11301</u>	Underground S500 E590 N4 29 2S 5W US	<u>well info</u>	A	20020913	DIS	0.000	1.730	MARK BARTON 295 NORTH SPRING
<u>43-12050</u>	Underground S270 W80 E4 29 2S 5W US		A	20080131	DIS	0.000	1.730	STEPHANIE ROBERTS HC 63 BOX 29B
<u>43-12082</u>	Underground S990 E1485 NW 29 2S 5W US	<u>well info</u>	A	20080418	DI	0.000	1.700	BOBBY DEAN AND MULLINS HC 63 BOX 28A
<u>43-2960</u>	Underground S920 W1240 NE 05 3S 5W US	<u>well info</u>	P	19730910	O	0.015	10.950	GULF OIL CORP C/O PENNZOIL CO
<u>43-414</u>	Underground S1056 E940 NW 29 2S 5W US		P	19451221	DIS	0.021	0.000	JOSEPH SHANKS DUCHESE UT 84
<u>43-416</u>	Underground N404 W1068 E4 29 2S 5W US		P	19460220	DIS	0.017	0.000	WAYNE B. AND I HC 2 BOX 29-B
<u>43-419</u>	Underground N1270 W610 S4 28 2S 5W US		P	19460225	DIS	0.018	0.000	LEONARD E. BROWN DUCHESE UT 84
<u>43-43</u>	Underground N700 E50 SW 21 2S 5W US	<u>well info</u>	P	19280000	DIS	0.040	0.000	HOPE ESAUK POST OFFICE BOX
<u>43-6851</u>	Underground S1813 W1449 NE 07 3S 5W US	<u>well info</u>	P	19720126	O	0.015	0.000	GULF OIL CORP C/O PENNZOIL CO
<u>43-7323</u>	Underground S2348 W1654 NE 32 2S 5W US	<u>well info</u>	P	19730329	O	0.015	0.000	SHELL OIL LCORP 1700 BROADWAY

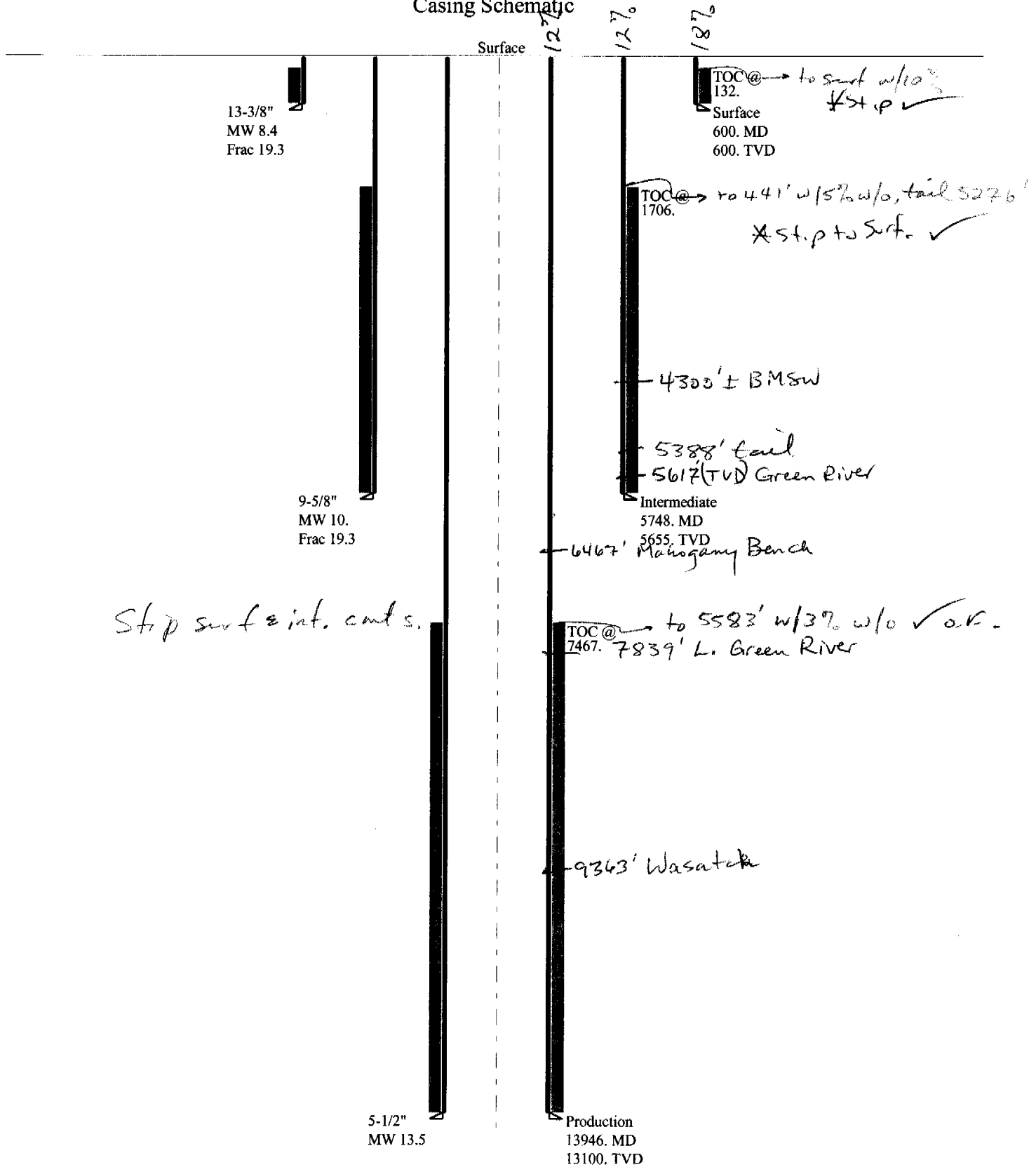
<u>43-7466</u>	Underground	<u>well info</u>	P	19740404 DIS	0.015 0.000	FRED AND BYRN STAR ROUTE, BC
	N100 E60 SW 21 2S 5W US					
<u>43-7677</u>	Underground	<u>well info</u>	P	19750211 DIS	0.015 0.000	PAUL J. AND MA 295 NORTH SPRIN
	S1700 W1930 NE 29 2S 5W US					
<u>43-8366</u>	Underground	<u>well info</u>	P	19790126 DIS	0.015 0.000	KENT S. AND RU 9546 SOUTH 2500
	N398 W1295 SE 20 2S 5W US					
<u>43-9175</u>	Underground	<u>well info</u>	P	19820413 DIS	0.015 1.618	KARL D. AND SA HC 63 BOX 28 C
	S695 W1209 N4 29 2S 5W US					
<u>43-9453</u>	Underground		P	19870707 S	0.015 0.336	JERRY LEAVITT PO BOX 904
	S200 E1060 NW 28 2S 5W US					
<u>43-9483</u>	Underground	<u>well info</u>	P	19830921 IS	0.015 4.056	BARTON THORO 8886 NORTH SAD ROAD
	S1370 E170 N4 29 2S 5W US					

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240

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43013341230000 El Paso Owl & Hawk 2-31B5

Casing Schematic



Well name:	43013341230000 El Paso Owl & Hawk 2-31B5	
Operator:	El Paso E & P Company, L.P.	
String type:	Surface	Project ID: 43-013-34123-0000
Location:	Duchesne County, Utah	

Design parameters:
Collapse

Mud weight: 8.400 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 73 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 600 ft
Cement top: 132 ft

Burst

Max anticipated surface pressure: 528 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 600 psi
Annular backup: 2.33 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 525 ft

Non-directional string.
Re subsequent strings:

Next setting depth: 5,655 ft
Next mud weight: 10.000 ppg
Next setting BHP: 2,938 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 600 ft
Injection pressure: 600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	600	13.375	54.50	J-55	ST&C	600	600	12.49	520.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	189	1130	5.973	528	2730	5.17	29	514	17.95 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: January 8, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.4 ppg. An internal gradient of .121 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name: **43013341230000 El Paso Owl & Hawk 2-31B5**

Operator: **El Paso E & P Company, L.P.**

String type: **Intermediate**

Project ID:

43-013-34123-0000

Location: **Duchesne County, Utah**

Design parameters:

Collapse

Mud weight: 10.000 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 144 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Burst:

Design factor 1.00

Cement top: 1,706 ft

Burst

Max anticipated surface pressure: 4,411 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,655 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 4,890 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 956 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 11.33 °

Re subsequent strings:

Next setting depth: 13,100 ft
Next mud weight: 13.500 ppg
Next setting BHP: 9,187 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,655 ft
Injection pressure: 5,655 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5748	9.625	40.00	N-80	LT&C	5655	5748	8.75	2447.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2253	3090	1.371	5655	5750	1.02	193	737	3.83 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: January 8, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5655 ft, a mud weight of 10 ppg. An internal gradient of .121 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name: **43013341230000 El Paso Owl & Hawk 2-31B5**

Operator: **El Paso E & P Company, L.P.**

String type: **Production**

Project ID:

43-013-34123-0000

Location: **Duchesne County, Utah**

Design parameters:

Collapse

Mud weight: 13.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 248 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 7,467 ft

Burst

Max anticipated surface
pressure: 6,305 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,187 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 4183 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 29.5 °

Tension is based on buoyed weight.

Neutral point: 10,870 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	13946	5.5	20.00	HCP-110	LT&C	13100	13946	4.653	1736.5
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	9187	11100	1.208	9187	12630	1.37	208	548	2.63 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: January 8, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 13100 ft, a mud weight of 13.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW

El Paso Owl & Hawk 2-31B5 API 43-013-34123-0000

Well Name	El Paso Owl & Hawk 2-31B5 API 43-013-34123-0000		
	String 1	String 2	String 3
Casing Size (")	13 3/8	9 5/8	5 1/2
Setting Depth (TVD)	600	5655	13100
Previous Shoe Setting Depth (TVD)	800	600	5655
Max Mud Weight (ppg)	8.4	10	13.5 ✓
BOPE Proposed (psi)	500	5000	10000
Casing Internal Yield (psi)	2730	5750	12630
Operators Max Anticipated Pressure (psi)	9210		13.5 ppg ✓

Calculations	String 1 13 3/8 "	
Max BHP [psi]	.052*Setting Depth*MW = 262	
	BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) = 190	YES ✓ 5" x 20" rotating head to 600'
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) = 130	YES
	*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 306	YES ✓
Required Casing/BOPE Test Pressure	600 psi	
*Max Pressure Allowed @ Previous Casing Shoe =	800 psi	*Assumes 1psi/ft frac gradient

Calculations	String 2 9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW = 2941	
	BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) = 2262	YES 5M annular to 9835'
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) = 1697	YES ✓
	*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 1829	← NO Reasonable
Required Casing/BOPE Test Pressure	4025 psi	
*Max Pressure Allowed @ Previous Casing Shoe =	600 psi	*Assumes 1psi/ft frac gradient

Calculations	String 3 5 1/2 "	
Max BHP [psi]	.052*Setting Depth*MW = 9196	
	BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) = 7624	YES 10M w/rotating head, 5M annular to TD
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) = 6314	YES ✓
	*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 7558	← NO Reasonable
Required Casing/BOPE Test Pressure	8841 psi	
*Max Pressure Allowed @ Previous Casing Shoe =	5655 psi	*Assumes 1psi/ft frac gradient



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 12, 2009

El Paso E&P company, LP
1099 18th St., Ste. 1900
Denver, CO 80202

Re: Owl & Hawk 2-31B5 Well, 2215' FSL, 1199' FEL, NE SE, Sec. 31, T. 2 South,
R. 5 West, Bottom Location 700' FNL, 700' FWL, NW NW Sec. 31, T. 2 South,
R. 5 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34123.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor



Operator: El Paso E&P company, LP
Well Name & Number Owl & Hawk 2-31B5
API Number: 43-013-34123
Lease: Fee

Location: NE SE Sec. 31 T. 2 South R. 5 West
Bottom Location: NW NW Sec. 31 T. 2 South R. 5 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements:

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Page 2
43-013-34123
January 12, 2009

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		8. WELL NAME and NUMBER: OWL & HAWK 2-31B5			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U		9. API NUMBER: 43013341230000			
PHONE NUMBER: 303 291-6417 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/1/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. EL PASO E & P COMPANY REQUESTS APPROVAL TO CHANGE THE APPROVED DRILLING CASING/CMT DESIGN AS FOLLOWS: 13-3/8" SET @ 1700'. CMT CLASS G 1130 SX, 1.15 CF/SK, 15.6 PPG. 9-5/8" SET @ 4665'. LEAD: PREM LITE 510 SX, 3.2 CF/SK, 11 PPG. TAIL: CLASS G 160 SX, 1.25 CF/SK, 14.4 PPG. 7" P-110 26# IN 8-3/4" HOLE TO A DEPTH OF 10125' MD(9495' TVD). LEAD: CEMCRETE 590 SX, 1.65 CF/SK, 12.5 PPG. TAIL: CLASS G 60 SX, 1.0 CF/SK, 14.1 PPG. 4-1/2" P-110 13.5# IN 6-1/8" HOLE TO A DEPTH OF 13192' MD(12336' TVD). CMT: CLASS G 230 SX, 1.86 CF/SK, 14.5 PPG.					
Accepted by the Utah Division of Oil, Gas and Mining Date: October 13, 2009 By:					
NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst			
SIGNATURE N/A	DATE 10/12/2009				



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013341230000

Correct TVD for total depth, should be close to 12337'.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: October 13, 2009

By: _____



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013341230000

Correct TVD for total depth, should be close to 12337'.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: October 13, 2009

By: _____

ELPASO EXPLORATION&PRODUCTION

Duchesne Co., UT
Owl and Hawk 2-31B5
Oil & Hawk 2-31B

DD

Plan: Plan #2

Standard Planning Report

02 October, 2009

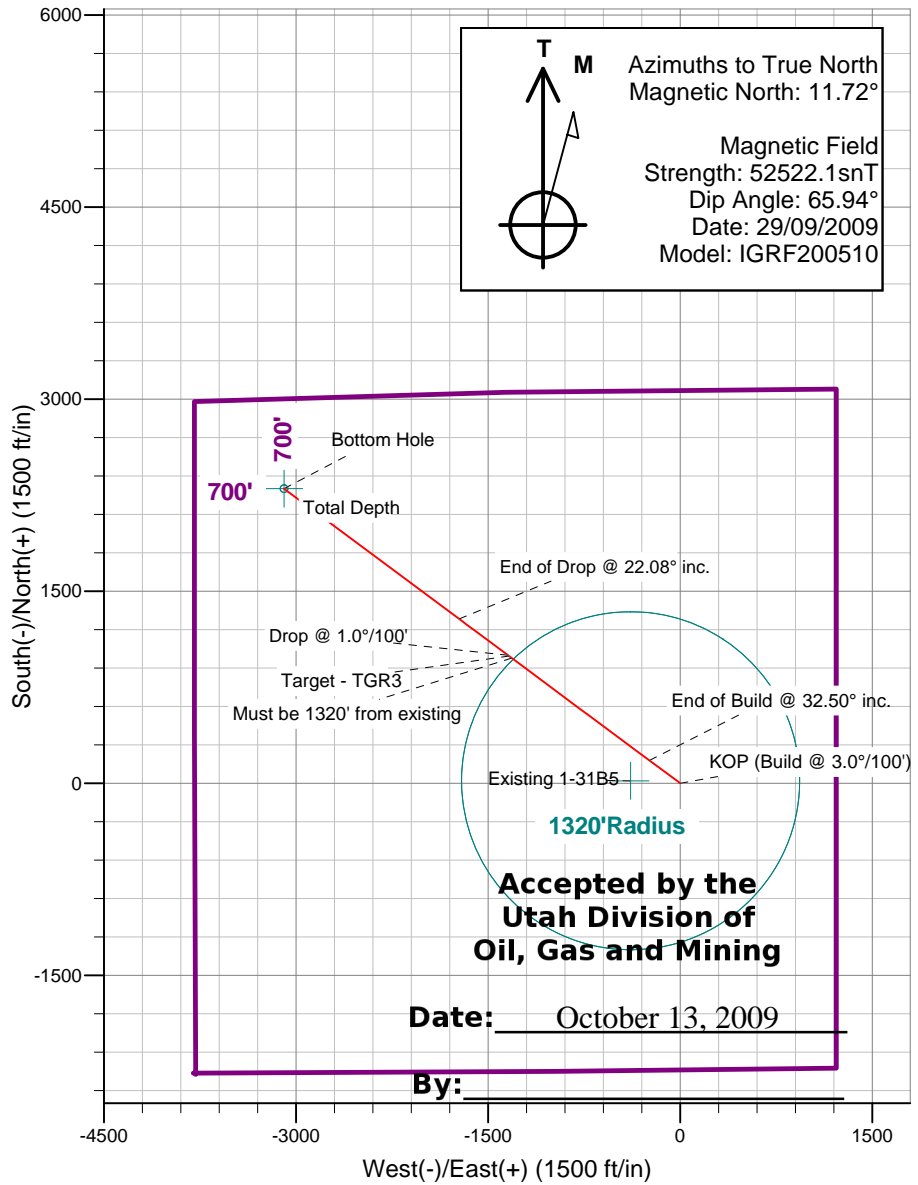
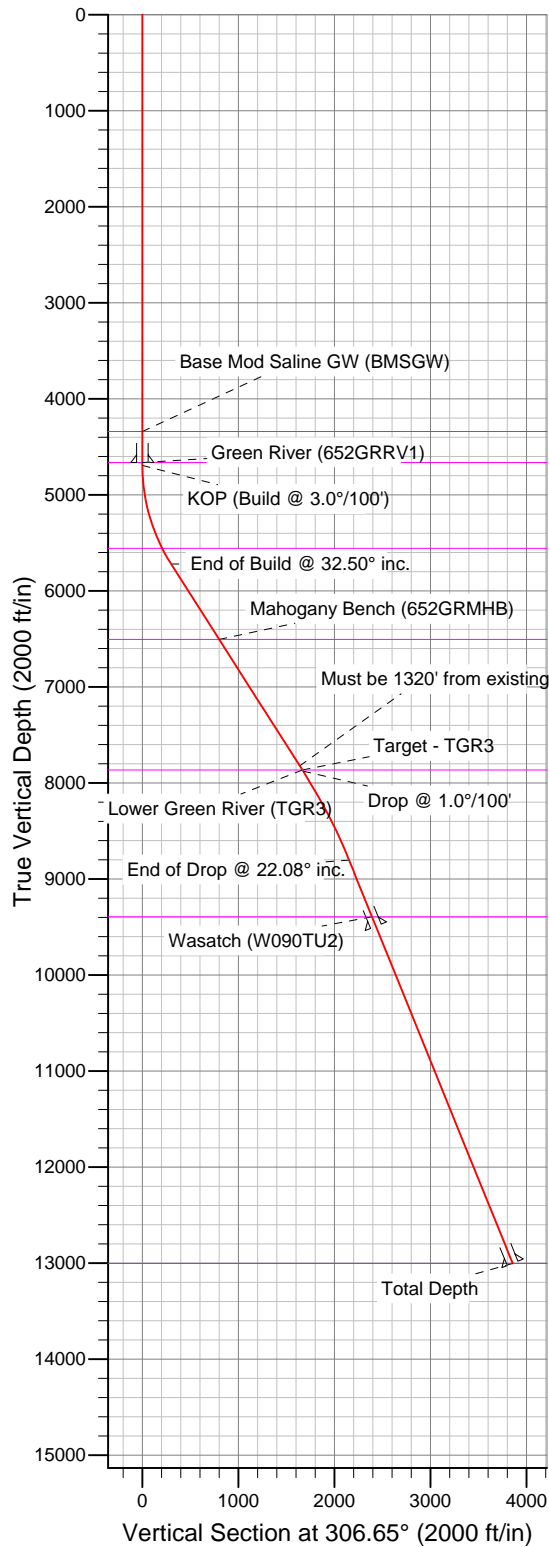
**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: October 13, 2009

By: _____

ELPASO EXPLORATION&PRODUCTION

Project: Duchesne Co., UT
 Site: Owl and Hawk 2-31B5
 Well: Oil & Hawk 2-31B
 Wellbore: DD
 Design: Plan #2



FORMATION TOP DETAILS

TVDPath	SSPath	MDPath	Formation
4340.0	1960.0	4340.0	Base Mod Saline GW (BMSGW)
4664.0	1636.0	4664.0	Green River (652GRRV1)
5558.0	742.0	5590.5	Green River (652GRTN1)
6507.0	-207.0	6710.1	Mahogany Bench (652GRMHB)
7866.0	-1566.0	8321.4	Lower Green River (TGR3)
9395.0	-3095.0	10017.0	Wasatch (W090TU2)
13004.0	-6704.0	13911.6	Total Depth

Total Directional Services LLC

Created By: Roopa Dattani Date: 16:11, October 02 2009

RECEIVED October 12, 2009

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Project	Duchesne Co., UT		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site		Owl and Hawk 2-31B5			
Site Position: From:	Lat/Long	Northing:	4,457,223.53 m	Latitude:	40° 15' 51.651 N
		Easting:	543,522.70 m	Longitude:	110° 29' 17.332 W
	Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:

Well	Oil & Hawk 2-31B					
Well Position	+N/-S	0.0 ft	Northing:	4,457,223.53 m	Latitude:	40° 15' 51.651 N
	+E/-W	0.0 ft	Easting:	543,522.70 m	Longitude:	110° 29' 17.332 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,269.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	29/09/2009	11.72	65.94	52,522

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	306.65

Accepted by the
Utah Division of
Oil, Gas and Mining

Plan Sections									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4,695.0	0.00	306.65	4,695.0	0.0	0.0	0.00	0.00	0.00	306.65
5,778.3	32.50	306.65	5,721.1	178.5	-240.0	3.00	3.00	0.00	306.65
8,338.0	32.50	306.65	7,880.0	999.5	-1,343.4	0.00	0.00	0.00	0.00
9,380.3	22.08	306.65	8,805.0	1,284.4	-1,726.3	1.00	-1.00	0.00	180.00
13,911.6	22.08	306.64	13,004.0	2,301.0	-3,092.8	0.00	0.00	0.00	-143.55

By: _____
Date: October 13, 2009

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	306.65	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	306.65	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	306.65	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	306.65	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	306.65	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	306.65	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	306.65	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	306.65	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	306.65	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	306.65	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	306.65	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	306.65	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	306.65	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	306.65	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	306.65	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	306.65	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	306.65	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	306.65	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	306.65	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	306.65	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	306.65	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	306.65	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	306.65	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	306.65	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	306.65	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	306.65	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	306.65	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	306.65	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	306.65	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	306.65	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	306.65	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	306.65	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	306.65	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	306.65	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	306.65	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	306.65	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	306.65	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	306.65	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	306.65	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	306.65	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	306.65	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	306.65	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	306.65	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,340.0	0.00	306.65	4,340.0	0.0	0.0	0.0	0.00	0.00	0.00
Base Mod Saline GW (BMSGW)									
4,400.0	0.00	306.65	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	306.65	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	306.65	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,664.0	0.00	306.65	4,664.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River (652GRRV1)									

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: October 13, 2009
By:

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
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Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,665.0	0.00	306.65	4,665.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Casing									
4,695.0	0.00	306.65	4,695.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP (Build @ 3.0°/100')									
4,700.0	0.15	306.65	4,700.0	0.0	0.0	0.0	3.00	3.00	0.00
4,800.0	3.15	306.65	4,799.9	1.7	-2.3	2.9	3.00	3.00	0.00
4,900.0	6.15	306.65	4,899.6	6.6	-8.8	11.0	3.00	3.00	0.00
5,000.0	9.15	306.65	4,998.7	14.5	-19.5	24.3	3.00	3.00	0.00
5,100.0	12.15	306.65	5,097.0	25.5	-34.3	42.8	3.00	3.00	0.00
5,200.0	15.15	306.65	5,194.1	39.6	-53.3	66.4	3.00	3.00	0.00
5,300.0	18.15	306.65	5,289.9	56.7	-76.2	95.0	3.00	3.00	0.00
5,400.0	21.15	306.65	5,384.1	76.8	-103.2	128.7	3.00	3.00	0.00
5,500.0	24.15	306.65	5,476.4	99.8	-134.1	167.2	3.00	3.00	0.00
5,590.5	26.86	306.65	5,558.0	123.0	-165.4	206.1	3.00	3.00	0.00
Green River (652GRTN1)									
5,600.0	27.15	306.65	5,566.5	125.6	-168.8	210.4	3.00	3.00	0.00
5,700.0	30.15	306.65	5,654.3	154.2	-207.3	258.4	3.00	3.00	0.00
5,778.3	32.50	306.65	5,721.1	178.5	-240.0	299.1	3.00	3.00	0.00
End of Build @ 32.50° inc.									
5,800.0	32.50	306.65	5,739.4	185.5	-249.3	310.8	0.00	0.00	0.00
5,900.0	32.50	306.65	5,823.8	217.6	-292.4	364.5	0.00	0.00	0.00
6,000.0	32.50	306.65	5,908.1	249.6	-335.5	418.2	0.00	0.00	0.00
6,100.0	32.50	306.65	5,992.5	281.7	-378.6	471.9	0.00	0.00	0.00
6,200.0	32.50	306.65	6,076.8	313.8	-421.7	525.7	0.00	0.00	0.00
6,300.0	32.50	306.65	6,161.1	345.9	-464.9	579.4	0.00	0.00	0.00
6,400.0	32.50	306.65	6,245.5	377.9	-508.0	633.1	0.00	0.00	0.00
6,500.0	32.50	306.65	6,329.8	410.0	-551.1	686.9	0.00	0.00	0.00
6,600.0	32.50	306.65	6,414.1	442.1	-594.2	740.6	0.00	0.00	0.00
6,700.0	32.50	306.65	6,498.5	474.1	-637.3	794.3	0.00	0.00	0.00
6,710.1	32.50	306.65	6,507.0	477.4	-641.6	799.7	0.00	0.00	0.00
Mahogany Bench (652GRMHB)									
6,800.0	32.50	306.65	6,582.8	506.2	-680.4	848.1	0.00	0.00	0.00
6,900.0	32.50	306.65	6,667.2	538.3	-723.5	901.8	0.00	0.00	0.00
7,000.0	32.50	306.65	6,751.5	570.4	-766.6	955.5	0.00	0.00	0.00
7,100.0	32.50	306.65	6,835.8	602.4	-809.7	1,009.2	0.00	0.00	0.00
7,200.0	32.50	306.65	6,920.2	634.5	-852.8	1,063.0	0.00	0.00	0.00
7,300.0	32.50	306.65	7,004.5	666.6	-895.9	1,116.7	0.00	0.00	0.00
7,400.0	32.50	306.65	7,088.9	698.7	-939.0	1,170.4	0.00	0.00	0.00
7,500.0	32.50	306.65	7,173.2	730.7	-982.1	1,224.2	0.00	0.00	0.00
7,600.0	32.50	306.65	7,257.5	762.8	-1,025.2	1,277.9	0.00	0.00	0.00
7,700.0	32.50	306.65	7,341.9	794.9	-1,068.4	1,331.6	0.00	0.00	0.00
7,800.0	32.50	306.65	7,426.2	827.0	-1,111.5	1,385.3	0.00	0.00	0.00
7,900.0	32.50	306.65	7,510.6	859.0	-1,154.6	1,439.1	0.00	0.00	0.00
8,000.0	32.50	306.65	7,594.9	891.1	-1,197.7	1,492.8	0.00	0.00	0.00
8,100.0	32.50	306.65	7,679.2	923.2	-1,240.8	1,546.5	0.00	0.00	0.00
8,200.0	32.50	306.65	7,763.6	955.2	-1,283.9	1,600.3	0.00	0.00	0.00
8,270.5	32.50	306.65	7,823.0	977.8	-1,314.3	1,638.1	0.00	0.00	0.00
Must be 1320' from existing									
8,300.0	32.50	306.65	7,847.9	987.3	-1,327.0	1,654.0	0.00	0.00	0.00
8,321.4	32.50	306.65	7,866.0	994.2	-1,336.2	1,665.5	0.00	0.00	0.00
Target - TGR3 - Lower Green River (TGR3)									

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: October 13, 2009
By: _____

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,338.0	32.50	306.65	7,880.0	999.5	-1,343.4	1,674.4	0.00	0.00	0.00
Drop @ 1.0°/100'									
8,400.0	31.88	306.65	7,932.4	1,019.2	-1,369.9	1,707.4	1.00	-1.00	0.00
8,500.0	30.88	306.65	8,017.8	1,050.3	-1,411.7	1,759.5	1.00	-1.00	0.00
8,600.0	29.88	306.65	8,104.1	1,080.5	-1,452.2	1,810.1	1.00	-1.00	0.00
8,700.0	28.88	306.65	8,191.2	1,109.8	-1,491.6	1,859.2	1.00	-1.00	0.00
8,800.0	27.88	306.65	8,279.2	1,138.1	-1,529.7	1,906.7	1.00	-1.00	0.00
8,900.0	26.88	306.65	8,368.0	1,165.6	-1,566.6	1,952.7	1.00	-1.00	0.00
9,000.0	25.88	306.65	8,457.6	1,192.1	-1,602.3	1,997.1	1.00	-1.00	0.00
9,100.0	24.88	306.65	8,547.9	1,217.7	-1,636.7	2,040.0	1.00	-1.00	0.00
9,200.0	23.88	306.65	8,639.0	1,242.4	-1,669.8	2,081.3	1.00	-1.00	0.00
9,300.0	22.88	306.65	8,730.8	1,266.0	-1,701.6	2,120.9	1.00	-1.00	0.00
9,380.3	22.08	306.65	8,805.0	1,284.4	-1,726.3	2,151.7	1.00	-1.00	0.00
End of Drop @ 22.08° inc.									
9,400.0	22.08	306.65	8,823.2	1,288.8	-1,732.2	2,159.1	0.00	0.00	0.00
9,500.0	22.08	306.65	8,915.9	1,311.2	-1,762.4	2,196.6	0.00	0.00	0.00
9,600.0	22.08	306.65	9,008.6	1,333.7	-1,792.5	2,234.2	0.00	0.00	0.00
9,700.0	22.08	306.65	9,101.2	1,356.1	-1,822.7	2,271.8	0.00	0.00	0.00
9,800.0	22.08	306.65	9,193.9	1,378.5	-1,852.8	2,309.4	0.00	0.00	0.00
9,900.0	22.08	306.65	9,286.6	1,401.0	-1,883.0	2,347.0	0.00	0.00	0.00
10,000.0	22.08	306.65	9,379.2	1,423.4	-1,913.2	2,384.6	0.00	0.00	0.00
10,017.0	22.08	306.65	9,395.0	1,427.2	-1,918.3	2,391.0	0.00	0.00	0.00
Wasatch (W090TU2)									
10,100.0	22.08	306.65	9,471.9	1,445.9	-1,943.3	2,422.2	0.00	0.00	0.00
10,124.9	22.08	306.65	9,495.0	1,451.5	-1,950.8	2,431.6	0.00	0.00	0.00
Int. Casing									
10,200.0	22.08	306.65	9,564.6	1,468.3	-1,973.5	2,459.8	0.00	0.00	0.00
10,300.0	22.08	306.65	9,657.2	1,490.7	-2,003.6	2,497.4	0.00	0.00	0.00
10,400.0	22.08	306.65	9,749.9	1,513.2	-2,033.8	2,535.0	0.00	0.00	0.00
10,500.0	22.08	306.65	9,842.6	1,535.6	-2,063.9	2,572.5	0.00	0.00	0.00
10,600.0	22.08	306.65	9,935.2	1,558.0	-2,094.1	2,610.1	0.00	0.00	0.00
10,700.0	22.08	306.65	10,027.9	1,580.5	-2,124.3	2,647.7	0.00	0.00	0.00
10,800.0	22.08	306.65	10,120.6	1,602.9	-2,154.4	2,685.3	0.00	0.00	0.00
10,900.0	22.08	306.65	10,213.2	1,625.4	-2,184.6	2,722.9	0.00	0.00	0.00
11,000.0	22.08	306.65	10,305.9	1,647.8	-2,214.7	2,760.5	0.00	0.00	0.00
11,100.0	22.08	306.65	10,398.6	1,670.2	-2,244.9	2,798.1	0.00	0.00	0.00
11,200.0	22.08	306.65	10,491.2	1,692.7	-2,275.1	2,835.7	0.00	0.00	0.00
11,300.0	22.08	306.65	10,583.9	1,715.1	-2,305.2	2,873.3	0.00	0.00	0.00
11,400.0	22.08	306.65	10,676.6	1,737.5	-2,335.4	2,910.8	0.00	0.00	0.00
11,500.0	22.08	306.65	10,769.2	1,760.0	-2,365.5	2,948.4	0.00	0.00	0.00
11,600.0	22.08	306.65	10,861.9	1,782.4	-2,395.7	2,986.0	0.00	0.00	0.00
11,700.0	22.08	306.65	10,954.6	1,804.8	-2,425.8	3,023.6	0.00	0.00	0.00
11,800.0	22.08	306.65	11,047.2	1,827.3	-2,456.0	3,061.2	0.00	0.00	0.00
11,900.0	22.08	306.65	11,139.9	1,849.7	-2,486.2	3,098.8	0.00	0.00	0.00
12,000.0	22.08	306.65	11,232.6	1,872.2	-2,516.3	3,136.4	0.00	0.00	0.00
12,100.0	22.08	306.65	11,325.2	1,894.6	-2,546.5	3,174.0	0.00	0.00	0.00
12,200.0	22.08	306.65	11,417.9	1,917.0	-2,576.6	3,211.5	0.00	0.00	0.00
12,300.0	22.08	306.65	11,510.6	1,939.5	-2,606.8	3,249.1	0.00	0.00	0.00
12,400.0	22.08	306.65	11,603.2	1,961.9	-2,636.9	3,286.7	0.00	0.00	0.00
12,500.0	22.08	306.65	11,695.9	1,984.3	-2,667.1	3,324.3	0.00	0.00	0.00
12,600.0	22.08	306.65	11,788.6	2,006.8	-2,697.3	3,361.9	0.00	0.00	0.00

Accepted by the
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Date: October 13, 2009

By: _____

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,700.0	22.08	306.65	11,881.2	2,029.2	-2,727.4	3,399.5	0.00	0.00	0.00
12,800.0	22.08	306.65	11,973.9	2,051.6	-2,757.6	3,437.1	0.00	0.00	0.00
12,900.0	22.08	306.65	12,066.6	2,074.1	-2,787.7	3,474.6	0.00	0.00	0.00
13,000.0	22.08	306.65	12,159.2	2,096.5	-2,817.9	3,512.2	0.00	0.00	0.00
13,100.0	22.08	306.65	12,251.9	2,118.9	-2,848.0	3,549.8	0.00	0.00	0.00
13,200.0	22.08	306.65	12,344.6	2,141.4	-2,878.2	3,587.4	0.00	0.00	0.00
13,300.0	22.08	306.65	12,437.2	2,163.8	-2,908.4	3,625.0	0.00	0.00	0.00
13,400.0	22.08	306.64	12,529.9	2,186.2	-2,938.5	3,662.6	0.00	0.00	0.00
13,500.0	22.08	306.64	12,622.6	2,208.7	-2,968.7	3,700.2	0.00	0.00	0.00
13,600.0	22.08	306.64	12,715.2	2,231.1	-2,998.8	3,737.7	0.00	0.00	0.00
13,700.0	22.08	306.64	12,807.9	2,253.5	-3,029.0	3,775.3	0.00	0.00	0.00
13,911.6	22.08	306.64	13,004.0	2,301.0	-3,092.8	3,854.9	0.00	0.00	0.00
Total Depth									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
13,911.6	13,004.0	Total Depth	0.000	0.000	
10,124.9	9,495.0	Int. Casing	0.000	0.000	
4,665.0	4,665.0	Surface Casing	0.000	0.000	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip Direction (°)	Dip (°)
4,340.0	4,340.0	Base Mod Saline GW (BMSGW)			0.00
4,664.0	4,664.0	Green River (652GRRV1)			0.00
5,590.5	5,558.0	Green River (652GRTN1)			0.00
6,710.1	6,507.0	Mahogany Bench (652GRMHB)			0.00
8,321.4	7,866.0	Lower Green River (TGR3)			0.00
10,017.0	9,395.0	Wasatch (W090TU2)			0.00
13,911.6	13,004.0	Total Depth			0.00

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 Date: October 13, 2009
 By: _____

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,695.0	4,695.0	0.0	0.0	KOP (Build @ 3.0°/100')
5,778.3	5,721.1	178.5	-240.0	End of Build @ 32.50° inc.
8,270.5	7,823.0	977.8	-1,314.3	Must be 1320' from existing
8,321.4	7,866.0	994.2	-1,336.2	Target - TGR3
8,338.0	7,880.0	999.5	-1,343.4	Drop @ 1.0°/100'
9,380.3	8,805.0	1,284.4	-1,726.3	End of Drop @ 22.08° inc.
13,911.6	13,004.0	2,301.0	-3,092.8	Total Depth

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		8. WELL NAME and NUMBER: OWL & HAWK 2-31B5			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U		9. API NUMBER: 43013341230000			
PHONE NUMBER: 303 291-6417 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/1/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. EL PASO E & P COMPANY REQUESTS APPROVAL TO CHANGE THE APPROVED DRILLING CASING/CMT DESIGN AS FOLLOWS: 13-3/8" SET @ 1700'. CMT CLASS G 1130 SX, 1.15 CF/SK, 15.6 PPG. 9-5/8" SET @ 4665'. LEAD: PREM LITE 510 SX, 3.2 CF/SK, 11 PPG. TAIL: CLASS G 160 SX, 1.25 CF/SK, 14.4 PPG. 7" P-110 26# IN 8-3/4" HOLE TO A DEPTH OF 10125' MD(9495' TVD). LEAD: CEMCRETE 590 SX, 1.65 CF/SK, 12.5 PPG. TAIL: CLASS G 60 SX, 1. CF/SK, 14.1 PPG. 4-1/2" P-110 13.5# IN 6-1/8" HOLE TO A DEPTH OF 13912' MD(13004' TVD). CMT: CLASS G 230 SX, 1.86 CF/SK, 14.5 PPG.					
<div style="text-align: right;"> Approved by the Utah Division of Oil, Gas and Mining Date: <u>October 15, 2009</u> By: <u><i>Dan K. Quist</i></u> </div>					
NAME (PLEASE PRINT) Marie Okeefe		PHONE NUMBER 303 291-6417			
SIGNATURE N/A		TITLE Sr Regulatory Analyst			
DATE 10/12/2009					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013341230000

- 1. Cement Volumes for the 13 3/8" casing string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to the surface.**
- 2. Cement Volumes for the 9 5/8" and 7" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depth back inside the previous casing shoe.**

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 15, 2009
By: Dan K. Quist



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

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- State of Utah
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Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013341230000

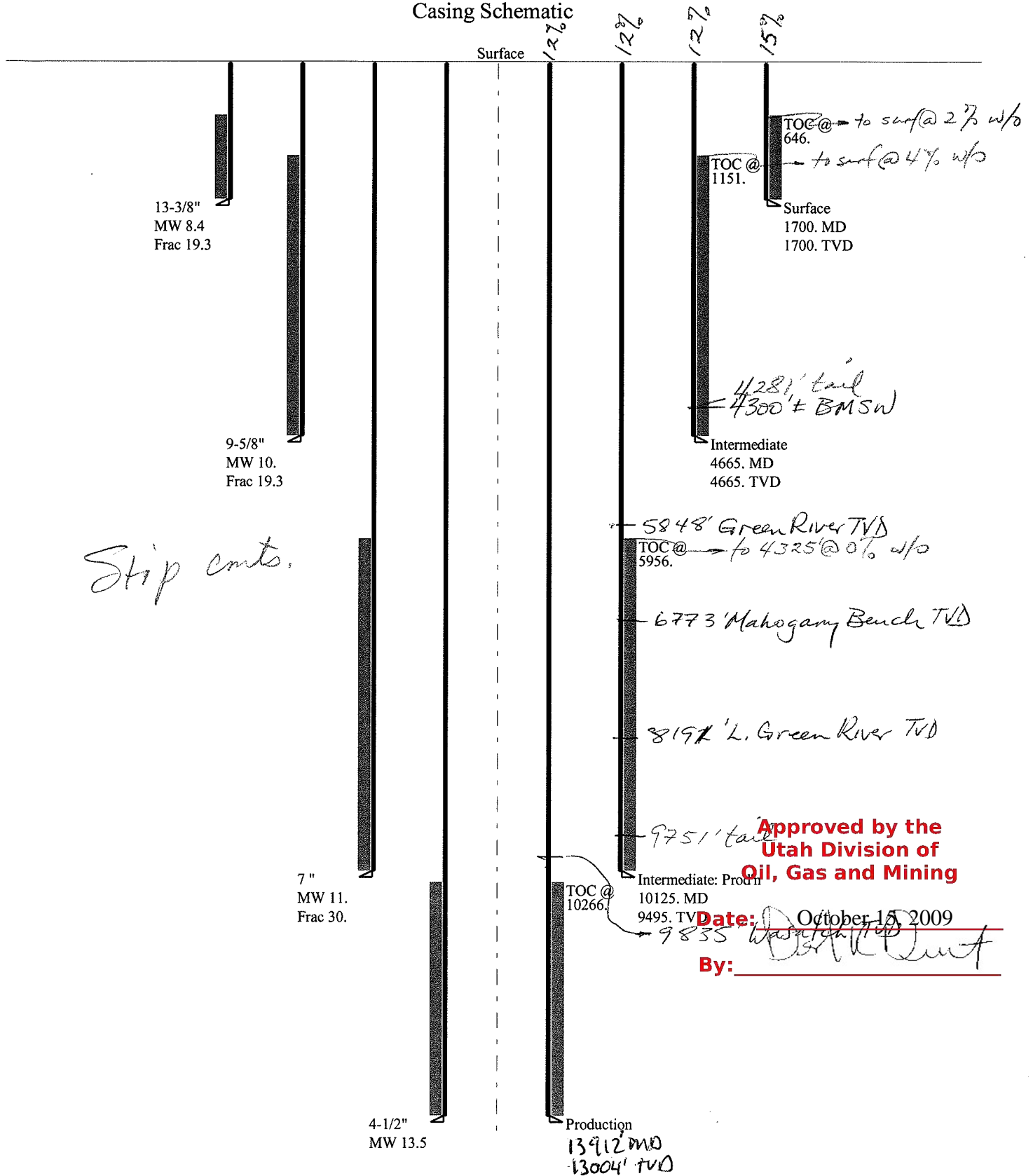
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**Approved by the
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Date: October 15, 2009
By: Dan K. Quist

43013341230000 El Paso Owl & Hawk 2-31B5rev

Casing Schematic



Well name:	43013341230000 El Paso Owl & Hawk 2-31B5rev	
Operator:	El Paso E & P Company, L.P.	
String type:	Surface	Project ID: 43-013-34123-0000rev
Location:	Duchesne County, Utah	

Design parameters:
Collapse

Mud weight: 8.400 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 600 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,484 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,686 psi

Annular backup: 2.33 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,486 ft

Directional Info - Build & Build

Kick-off point 600 ft
Departure at shoe: 161 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 11.33 °

Re subsequent strings:

Next setting depth: 4,593 ft
Next mud weight: 10.000 ppg
Next setting BHP: 2,386 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,686 ft
Injection pressure: 1,686 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1700	13.375	54.50	J-55	ST&C	1686	1700	12.49	1475.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	532	1130	2.126	1484	2730	1.84	80	514	6.39 J

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 15, 2009

By: 

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: October 13, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1686 ft, a mud weight of 8.4 ppg. An internal gradient of .121 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43013341230000 El Paso Owl & Hawk 2-31B5rev	
Operator:	El Paso E & P Company, L.P.	
String type:	Intermediate	Project ID: 43-013-34123-0000rev
Location:	Duchesne County, Utah	

Design parameters:
Collapse

Mud weight: 10.000 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 129 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 1,151 ft

Burst

Max anticipated surface pressure: 3,583 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,593 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,968 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 743 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 11.33 °

Re subsequent strings:

Next setting depth: 9,774 ft
Next mud weight: 13.500 ppg
Next setting BHP: 6,855 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,593 ft
Injection pressure: 4,593 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	4665	9.625	40.00	N-80	LT&C	4593	4665	8.75	1986.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1830	3090	1.688	4593	5750	1.25	156	737	4.71 J

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 15, 2009

By: 

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: October 13, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 4593 ft, a mud weight of 10 ppg. An internal gradient of .121 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43013341230000 El Paso Owl & Hawk 2-31B5rev	
Operator:	El Paso E & P Company, L.P.	
String type:	Production	Project ID: 43-013-34123-0000rev
Location:	Duchesne County, Utah	

Design parameters:
Collapse

Mud weight: 13.500 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 238 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 10,266 ft

Burst

Max anticipated surface pressure: **6705** psi
Internal gradient: 0.220 psi/ft
Calculated BHP **9766** psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Directional Info - Build & Build

Kick-off point 4695 ft
Departure at shoe: 3584 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 22.08 °

Tension is based on buoyed weight.
Neutral point: 10,539 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	13192	4.5	13.50	P-110	LT&C	12337	13192	3.795	1105.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	9766 8081	10680	1.004 <i>evac</i> 1.322 <i>gas</i>	9766	12410	1.271	133	338	2.56 J

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 15, 2009

By: *Derek Duff*

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: October 13, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12337 ft, a mud weight of 13.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ELPASO EXPLORATION&PRODUCTION

Duchesne Co., UT
Owl and Hawk 2-31B5
Oil & Hawk 2-31B

DD

Plan: Plan #2

Standard Planning Report

02 October, 2009

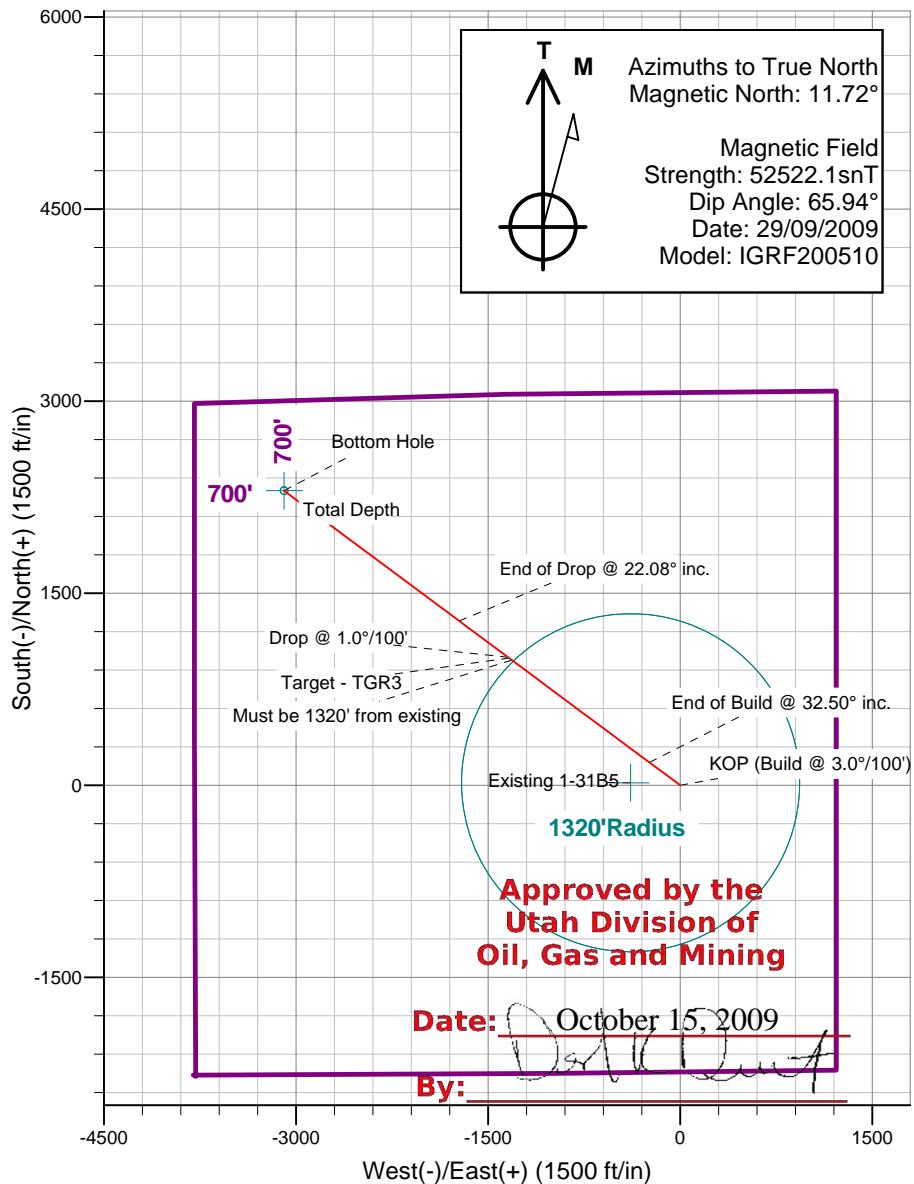
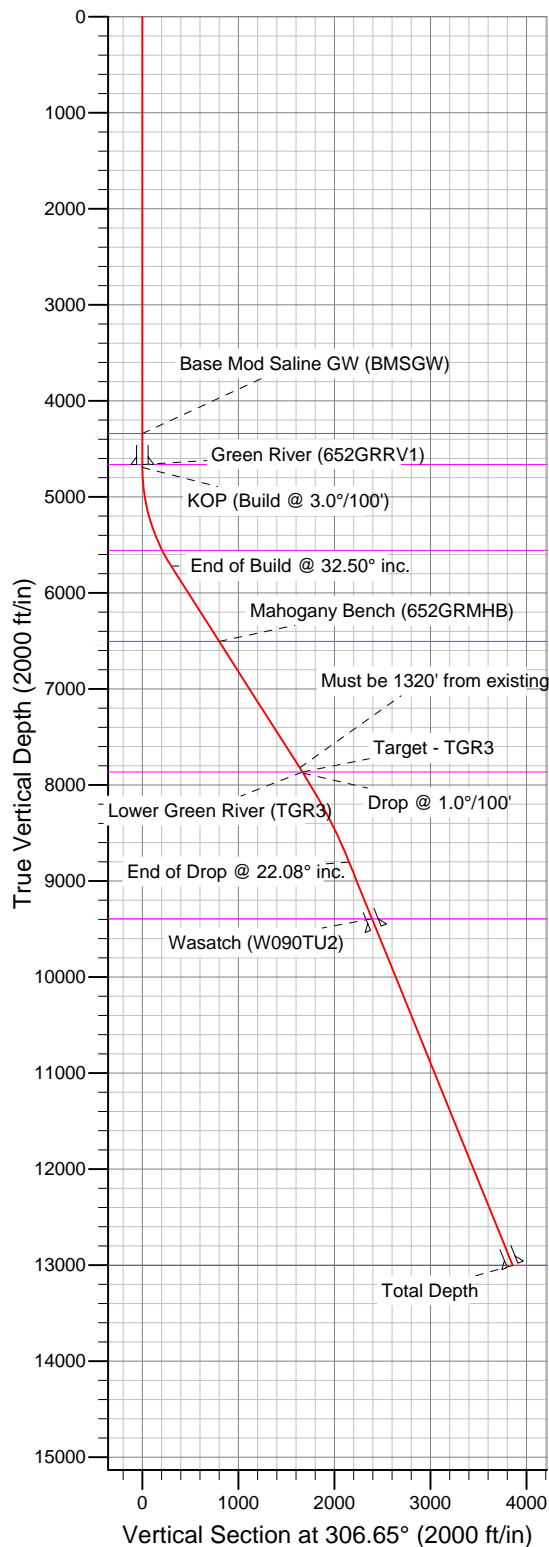
**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 15, 2009

By: 

ELPASO EXPLORATION&PRODUCTION

Project: Duchesne Co., UT
 Site: Owl and Hawk 2-31B5
 Well: Oil & Hawk 2-31B
 Wellbore: DD
 Design: Plan #2



FORMATION TOP DETAILS

TVDPath	SSPath	MDPath	Formation
4340.0	1960.0	4340.0	Base Mod Saline GW (BMSGW)
4664.0	1636.0	4664.0	Green River (652GRRV1)
5558.0	742.0	5590.5	Green River (652GRTN1)
6507.0	-207.0	6710.1	Mahogany Bench (652GRMHB)
7866.0	-1566.0	8321.4	Lower Green River (TGR3)
9395.0	-3095.0	10017.0	Wasatch (W090TU2)
13004.0	-6704.0	13911.6	Total Depth

 **Total Directional Services** LLC

Created By: Roopa Dattani Date: 16:11, October 02 2009

RECEIVED October 12, 2009

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Project	Duchesne Co., UT		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Owl and Hawk 2-31B5				
Site Position:		Northing:	4,457,223.53 m	Latitude:	40° 15' 51.651 N
From:	Lat/Long	Easting:	543,522.70 m	Longitude:	110° 29' 17.332 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	0.33 °

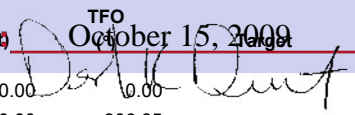
Well	Oil & Hawk 2-31B					
Well Position	+N/-S	0.0 ft	Northing:	4,457,223.53 m	Latitude:	40° 15' 51.651 N
	+E/-W	0.0 ft	Easting:	543,522.70 m	Longitude:	110° 29' 17.332 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,269.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	29/09/2009	11.72	65.94	52,522

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	306.65

Plan Sections									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4,695.0	0.00	306.65	4,695.0	0.0	0.0	0.00	0.00	0.00	0.00
5,778.3	32.50	306.65	5,721.1	178.5	-240.0	3.00	3.00	0.00	306.65
8,338.0	32.50	306.65	7,880.0	999.5	-1,343.4	0.00	0.00	0.00	0.00
9,380.3	22.08	306.65	8,805.0	1,284.4	-1,726.3	1.00	-1.00	0.00	180.00
13,911.6	22.08	306.64	13,004.0	2,301.0	-3,092.8	0.00	0.00	0.00	-143.55

**Approved by the
Utah Division of
Oil, Gas and Mining**

By:  **Date:** October 15, 2009

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	306.65	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	306.65	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	306.65	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	306.65	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	306.65	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	306.65	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	306.65	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	306.65	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	306.65	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	306.65	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	306.65	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	306.65	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	306.65	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	306.65	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	306.65	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	306.65	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	306.65	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	306.65	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	306.65	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	306.65	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	306.65	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	306.65	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	306.65	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	306.65	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	306.65	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	306.65	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	306.65	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	306.65	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	306.65	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	306.65	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	306.65	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	306.65	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	306.65	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	306.65	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	306.65	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	306.65	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	306.65	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	306.65	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	306.65	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	306.65	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	306.65	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	306.65	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	306.65	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,340.0	0.00	306.65	4,340.0	0.0	0.0	0.0	0.00	0.00	0.00
Base Mod Saline GW (BMSGW)									
4,400.0	0.00	306.65	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	306.65	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	306.65	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,664.0	0.00	306.65	4,664.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River (652GRRV1)									

Approved by the
 Utah Division of
 Oil, Gas and Mining
 Date: October 15, 2009
 By: [Signature]

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,665.0	0.00	306.65	4,665.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Casing									
4,695.0	0.00	306.65	4,695.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP (Build @ 3.0°/100')									
4,700.0	0.15	306.65	4,700.0	0.0	0.0	0.0	3.00	3.00	0.00
4,800.0	3.15	306.65	4,799.9	1.7	-2.3	2.9	3.00	3.00	0.00
4,900.0	6.15	306.65	4,899.6	6.6	-8.8	11.0	3.00	3.00	0.00
5,000.0	9.15	306.65	4,998.7	14.5	-19.5	24.3	3.00	3.00	0.00
5,100.0	12.15	306.65	5,097.0	25.5	-34.3	42.8	3.00	3.00	0.00
5,200.0	15.15	306.65	5,194.1	39.6	-53.3	66.4	3.00	3.00	0.00
5,300.0	18.15	306.65	5,289.9	56.7	-76.2	95.0	3.00	3.00	0.00
5,400.0	21.15	306.65	5,384.1	76.8	-103.2	128.7	3.00	3.00	0.00
5,500.0	24.15	306.65	5,476.4	99.8	-134.1	167.2	3.00	3.00	0.00
5,590.5	26.86	306.65	5,558.0	123.0	-165.4	206.1	3.00	3.00	0.00
Green River (652GRTN1)									
5,600.0	27.15	306.65	5,566.5	125.6	-168.8	210.4	3.00	3.00	0.00
5,700.0	30.15	306.65	5,654.3	154.2	-207.3	258.4	3.00	3.00	0.00
5,778.3	32.50	306.65	5,721.1	178.5	-240.0	299.1	3.00	3.00	0.00
End of Build @ 32.50° inc.									
5,800.0	32.50	306.65	5,739.4	185.5	-249.3	310.8	0.00	0.00	0.00
5,900.0	32.50	306.65	5,823.8	217.6	-292.4	364.5	0.00	0.00	0.00
6,000.0	32.50	306.65	5,908.1	249.6	-335.5	418.2	0.00	0.00	0.00
6,100.0	32.50	306.65	5,992.5	281.7	-378.6	471.9	0.00	0.00	0.00
6,200.0	32.50	306.65	6,076.8	313.8	-421.7	525.7	0.00	0.00	0.00
6,300.0	32.50	306.65	6,161.1	345.9	-464.9	579.4	0.00	0.00	0.00
6,400.0	32.50	306.65	6,245.5	377.9	-508.0	633.1	0.00	0.00	0.00
6,500.0	32.50	306.65	6,329.8	410.0	-551.1	686.9	0.00	0.00	0.00
6,600.0	32.50	306.65	6,414.1	442.1	-594.2	740.6	0.00	0.00	0.00
6,700.0	32.50	306.65	6,498.5	474.1	-637.3	794.3	0.00	0.00	0.00
6,710.1	32.50	306.65	6,507.0	477.4	-641.6	799.7	0.00	0.00	0.00
Mahogany Bench (652GRMHB)									
6,800.0	32.50	306.65	6,582.8	506.2	-680.4	848.1	0.00	0.00	0.00
6,900.0	32.50	306.65	6,667.2	538.3	-723.5	901.8	0.00	0.00	0.00
7,000.0	32.50	306.65	6,751.5	570.4	-766.6	955.5	0.00	0.00	0.00
7,100.0	32.50	306.65	6,835.8	602.4	-809.7	1,009.2	0.00	0.00	0.00
7,200.0	32.50	306.65	6,920.2	634.5	-852.8	1,063.0	0.00	0.00	0.00
7,300.0	32.50	306.65	7,004.5	666.6	-895.9	1,116.7	0.00	0.00	0.00
7,400.0	32.50	306.65	7,088.9	698.7	-939.0	1,170.4	0.00	0.00	0.00
7,500.0	32.50	306.65	7,173.2	730.7	-982.1	1,224.2	0.00	0.00	0.00
7,600.0	32.50	306.65	7,257.5	762.8	-1,025.2	1,277.9	0.00	0.00	0.00
7,700.0	32.50	306.65	7,341.9	794.9	-1,068.4	1,331.6	0.00	0.00	0.00
7,800.0	32.50	306.65	7,426.2	827.0	-1,111.5	1,385.3	0.00	0.00	0.00
7,900.0	32.50	306.65	7,510.6	859.0	-1,154.6	1,439.1	0.00	0.00	0.00
8,000.0	32.50	306.65	7,594.9	891.1	-1,197.7	1,492.8	0.00	0.00	0.00
8,100.0	32.50	306.65	7,679.2	923.2	-1,240.8	1,546.5	0.00	0.00	0.00
8,200.0	32.50	306.65	7,763.6	955.2	-1,283.9	1,600.3	0.00	0.00	0.00
8,270.5	32.50	306.65	7,823.0	977.8	-1,314.3	1,638.1	0.00	0.00	0.00
Must be 1320' from existing									
8,300.0	32.50	306.65	7,847.9	987.3	-1,327.0	1,654.0	0.00	0.00	0.00
8,321.4	32.50	306.65	7,866.0	994.2	-1,336.2	1,665.5	0.00	0.00	0.00
Target - TGR3 - Lower Green River (TGR3)									

Approved by the
Utah Division of
Oil, Gas and Mining

Date: October 15, 2009
By: [Signature]

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,338.0	32.50	306.65	7,880.0	999.5	-1,343.4	1,674.4	0.00	0.00	0.00
Drop @ 1.0°/100'									
8,400.0	31.88	306.65	7,932.4	1,019.2	-1,369.9	1,707.4	1.00	-1.00	0.00
8,500.0	30.88	306.65	8,017.8	1,050.3	-1,411.7	1,759.5	1.00	-1.00	0.00
8,600.0	29.88	306.65	8,104.1	1,080.5	-1,452.2	1,810.1	1.00	-1.00	0.00
8,700.0	28.88	306.65	8,191.2	1,109.8	-1,491.6	1,859.2	1.00	-1.00	0.00
8,800.0	27.88	306.65	8,279.2	1,138.1	-1,529.7	1,906.7	1.00	-1.00	0.00
8,900.0	26.88	306.65	8,368.0	1,165.6	-1,566.6	1,952.7	1.00	-1.00	0.00
9,000.0	25.88	306.65	8,457.6	1,192.1	-1,602.3	1,997.1	1.00	-1.00	0.00
9,100.0	24.88	306.65	8,547.9	1,217.7	-1,636.7	2,040.0	1.00	-1.00	0.00
9,200.0	23.88	306.65	8,639.0	1,242.4	-1,669.8	2,081.3	1.00	-1.00	0.00
9,300.0	22.88	306.65	8,730.8	1,266.0	-1,701.6	2,120.9	1.00	-1.00	0.00
9,380.3	22.08	306.65	8,805.0	1,284.4	-1,726.3	2,151.7	1.00	-1.00	0.00
End of Drop @ 22.08° inc.									
9,400.0	22.08	306.65	8,823.2	1,288.8	-1,732.2	2,159.1	0.00	0.00	0.00
9,500.0	22.08	306.65	8,915.9	1,311.2	-1,762.4	2,196.6	0.00	0.00	0.00
9,600.0	22.08	306.65	9,008.6	1,333.7	-1,792.5	2,234.2	0.00	0.00	0.00
9,700.0	22.08	306.65	9,101.2	1,356.1	-1,822.7	2,271.8	0.00	0.00	0.00
9,800.0	22.08	306.65	9,193.9	1,378.5	-1,852.8	2,309.4	0.00	0.00	0.00
9,900.0	22.08	306.65	9,286.6	1,401.0	-1,883.0	2,347.0	0.00	0.00	0.00
10,000.0	22.08	306.65	9,379.2	1,423.4	-1,913.2	2,384.6	0.00	0.00	0.00
10,017.0	22.08	306.65	9,395.0	1,427.2	-1,918.3	2,391.0	0.00	0.00	0.00
Wasatch (W090TU2)									
10,100.0	22.08	306.65	9,471.9	1,445.9	-1,943.3	2,422.2	0.00	0.00	0.00
10,124.9	22.08	306.65	9,495.0	1,451.5	-1,950.8	2,431.6	0.00	0.00	0.00
Int. Casing									
10,200.0	22.08	306.65	9,564.6	1,468.3	-1,973.5	2,459.8	0.00	0.00	0.00
10,300.0	22.08	306.65	9,657.2	1,490.7	-2,003.6	2,497.4	0.00	0.00	0.00
10,400.0	22.08	306.65	9,749.9	1,513.2	-2,033.8	2,535.0	0.00	0.00	0.00
10,500.0	22.08	306.65	9,842.6	1,535.6	-2,063.9	2,572.5	0.00	0.00	0.00
10,600.0	22.08	306.65	9,935.2	1,558.0	-2,094.1	2,610.1	0.00	0.00	0.00
10,700.0	22.08	306.65	10,027.9	1,580.5	-2,124.3	2,647.7	0.00	0.00	0.00
10,800.0	22.08	306.65	10,120.6	1,602.9	-2,154.4	2,685.3	0.00	0.00	0.00
10,900.0	22.08	306.65	10,213.2	1,625.4	-2,184.6	2,722.9	0.00	0.00	0.00
11,000.0	22.08	306.65	10,305.9	1,647.8	-2,214.7	2,760.5	0.00	0.00	0.00
11,100.0	22.08	306.65	10,398.6	1,670.2	-2,244.9	2,798.1	0.00	0.00	0.00
11,200.0	22.08	306.65	10,491.2	1,692.7	-2,275.1	2,835.7	0.00	0.00	0.00
11,300.0	22.08	306.65	10,583.9	1,715.1	-2,305.2	2,873.3	0.00	0.00	0.00
11,400.0	22.08	306.65	10,676.6	1,737.5	-2,335.4	2,910.8	0.00	0.00	0.00
11,500.0	22.08	306.65	10,769.2	1,760.0	-2,365.5	2,948.4	0.00	0.00	0.00
11,600.0	22.08	306.65	10,861.9	1,782.4	-2,395.7	2,986.0	0.00	0.00	0.00
11,700.0	22.08	306.65	10,954.6	1,804.8	-2,425.8	3,023.6	0.00	0.00	0.00
11,800.0	22.08	306.65	11,047.2	1,827.3	-2,456.0	3,061.2	0.00	0.00	0.00
11,900.0	22.08	306.65	11,139.9	1,849.7	-2,486.2	3,098.8	0.00	0.00	0.00
12,000.0	22.08	306.65	11,232.6	1,872.2	-2,516.3	3,136.4	0.00	0.00	0.00
12,100.0	22.08	306.65	11,325.2	1,894.6	-2,546.5	3,174.0	0.00	0.00	0.00
12,200.0	22.08	306.65	11,417.9	1,917.0	-2,576.6	3,211.5	0.00	0.00	0.00
12,300.0	22.08	306.65	11,510.6	1,939.5	-2,606.8	3,249.1	0.00	0.00	0.00
12,400.0	22.08	306.65	11,603.2	1,961.9	-2,636.9	3,286.7	0.00	0.00	0.00
12,500.0	22.08	306.65	11,695.9	1,984.3	-2,667.1	3,324.3	0.00	0.00	0.00
12,600.0	22.08	306.65	11,788.6	2,006.8	-2,697.3	3,361.9	0.00	0.00	0.00

Approved by the
Utah Division of
Oil, Gas and Mining

Date: October 15, 2009
By: [Signature]

Database:	Total Directional	Local Co-ordinate Reference:	Well Oil & Hawk 2-31B
Company:	ELPASO EXPLORATION&PRODUCTION	TVD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Project:	Duchesne Co., UT	MD Reference:	Est KB Elevation @ 6300.0ft (Original Well Elev)
Site:	Owl and Hawk 2-31B5	North Reference:	True
Well:	Oil & Hawk 2-31B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,700.0	22.08	306.65	11,881.2	2,029.2	-2,727.4	3,399.5	0.00	0.00	0.00
12,800.0	22.08	306.65	11,973.9	2,051.6	-2,757.6	3,437.1	0.00	0.00	0.00
12,900.0	22.08	306.65	12,066.6	2,074.1	-2,787.7	3,474.6	0.00	0.00	0.00
13,000.0	22.08	306.65	12,159.2	2,096.5	-2,817.9	3,512.2	0.00	0.00	0.00
13,100.0	22.08	306.65	12,251.9	2,118.9	-2,848.0	3,549.8	0.00	0.00	0.00
13,200.0	22.08	306.65	12,344.6	2,141.4	-2,878.2	3,587.4	0.00	0.00	0.00
13,300.0	22.08	306.65	12,437.2	2,163.8	-2,908.4	3,625.0	0.00	0.00	0.00
13,400.0	22.08	306.64	12,529.9	2,186.2	-2,938.5	3,662.6	0.00	0.00	0.00
13,500.0	22.08	306.64	12,622.6	2,208.7	-2,968.7	3,700.2	0.00	0.00	0.00
13,600.0	22.08	306.64	12,715.2	2,231.1	-2,998.8	3,737.7	0.00	0.00	0.00
13,700.0	22.08	306.64	12,807.9	2,253.5	-3,029.0	3,775.3	0.00	0.00	0.00
13,911.6	22.08	306.64	13,004.0	2,301.0	-3,092.8	3,854.9	0.00	0.00	0.00
Total Depth									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
13,911.6	13,004.0	Total Depth	0.000	0.000	
10,124.9	9,495.0	Int. Casing	0.000	0.000	
4,665.0	4,665.0	Surface Casing	0.000	0.000	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,340.0	4,340.0	Base Mod Saline GW (BMSGW)		0.00	
4,664.0	4,664.0	Green River (652GRRV1)		0.00	
5,590.5	5,558.0	Green River (652GRTN1)		0.00	
6,710.1	6,507.0	Mahogany Bench (652GRMHB)		0.00	
8,321.4	7,866.0	Lower Green River (TGR3)		0.00	
10,017.0	9,395.0	Wasatch (W090TU2)		0.00	
13,911.6	13,004.0	Total Depth		0.00	

Approved by the
Utah Division of
Oil, Gas and Mining

Date: October 15, 2009

By: [Signature]

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,695.0	4,695.0	0.0	0.0	KOP (Build @ 3.0°/100')
5,778.3	5,721.1	178.5	-240.0	End of Build @ 32.50° inc.
8,270.5	7,823.0	977.8	-1,314.3	Must be 1320' from existing
8,321.4	7,866.0	994.2	-1,336.2	Target - TGR3
8,338.0	7,880.0	999.5	-1,343.4	Drop @ 1.0°/100'
9,380.3	8,805.0	1,284.4	-1,726.3	End of Drop @ 22.08° inc.
13,911.6	13,004.0	2,301.0	-3,092.8	Total Depth

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EL PASO E&P COMPANY, LP

Well Name: OWL & HAWK 2-31B5

Api No: 43-013-34123 Lease Type: FEE

Section 31 Township 02S Range 05W County DUCHESNE

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 10/23/2009

Time NOON

How DRY

Drilling will Commence: _____

Reported by WAYNE GARNER

Telephone # (435) 823-1490

Date 10/27/2009 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: El Paso E & P Company, LP Operator Account Number: N 3065
Address: 1099 18th St. Ste 1900
city Denver
state CO zip 80202 Phone Number: (303) 291-6417

Well 1 4301334193

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334103	Owl & Hawk 4-17C5		NESW	17	3S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	<u>99999</u>	<u>17387</u>	<u>10/22/2009</u>		<u>10/27/09</u>		
Comments: <u>WSTC</u> CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334123	Owl & Hawk 2-31B5		NESE	31	2S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	<u>99999</u>	<u>17388</u>	<u>10/23/2009</u>		<u>10/27/09</u>		
Comments: <u>WSTC</u> <u>BHL = NWNW</u> CONFIDENTIAL							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments: 							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Marie OKeefe

Name (Please Print)

Marie OKeefe

Signature

Sr. Regulatory Analyst

10/26/2009


Title

Date

RECEIVED

OCT 27 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		8. WELL NAME and NUMBER: OWL & HAWK 2-31B5			
PHONE NUMBER: 303 291-6417 Ext		9. API NUMBER: 43013341230000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT			
		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/4/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. EL PASO E & P SUBMITTED AN NOI FOR CHANGE OF PLANS 10/12/09. THIS NOI IS A CHANGE TO THAT CHANGE: 13-3/8" CSG PROPOSED TO SET AT 1700'. 13-3/8" CSG SET AT 1532' DUE TO LOST RETURNS. (CHANGE) 9-5/8" CSG CMT PROPOSED: PREM LITE 510 SX, 3.2 CF/SK, 11PPG. 9-5/8" CSG CMT'D WITH: 780 SX LITECRETE, 2.84 CF/SK, 9 PPG. (CHANGE) 7" CSG P-110 26# PROPOSED 7" CSG P-110 29# (CHANGE) A SUBSEQUENT DRILLING REPORT WILL BE SUBMITTED AT TIME OF COMPLETION OF DRILLING.					
		Approved by the Utah Division of Oil, Gas and Mining Date: January 11, 2010 By: 			
NAME (PLEASE PRINT) Marie Okeefe		PHONE NUMBER 303 291-6417			
SIGNATURE N/A		TITLE Sr Regulatory Analyst			
		DATE 1/4/2010			



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013341230000

Work done prior to approval. Future significant departures from drilling plan should be approved prior to work being performed.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: January 11, 2010
By: Dan K. Quist

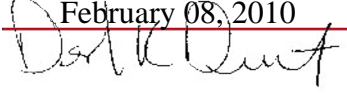
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE																														
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:																														
		7. UNIT or CA AGREEMENT NAME:																														
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: OWL & HAWK 2-31B5																														
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		9. API NUMBER: 43013341230000																														
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U		COUNTY: DUCHESNE																														
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Rigged in cement pumper to perform pressure test or establish feedrate on 9-5/8" x 13-3/8" annulus. Pumped in 9 bbls fresh water with no pressure. Caught pressure and pumped up to 1,700 psi with 1 more bbl. Pumped 1 more bbl in 1/4 bbl stages, bumping pressure up to 1,900 psi (70% of 13-3/8" burst). Pressure would bleed back slowly to 1,700 psi after each stage and hold. Contacted Dennis Ingram and explained above information, received permission to terminate pressure test and proceed with drilling operations.																																
NAME (PLEASE PRINT) Marie Okeefe		PHONE NUMBER 303 291-6417																														
SIGNATURE N/A		TITLE Sr Regulatory Analyst																														
		DATE 2/4/2010																														

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 04, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900, Denver, CO, 80202		8. WELL NAME and NUMBER: OWL & HAWK 2-31B5			
PHONE NUMBER: 303 291-6417 Ext		9. API NUMBER: 43013341230000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT			
		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Due to a lack of cement returns to surface, a pressure test of the 9-5/8" surface x 13-3/8" conductor annulus was performed. After reaching 500 psi the pressure broke back to zero. A feedrate was not attempted as a low volume - high pressure pump was being used. A Schlumberger cement pumper will be tied in to the 2" outlets and a feedrate will be established. The cement design and estimated volume requirements will be determined based on the feedrate achieved. If a low feedrate against pressure is attained, a low fluid loss squeeze cement will be planned in order to attain the best results. If a higher feedrate against little pressure occurs, we will plan to pump a 12.5 ppg thixotropic blend as per Schlumbergers' recommendation.					
NAME (PLEASE PRINT) Marie Okeefe		PHONE NUMBER 303 291-6417			
SIGNATURE N/A		TITLE Sr Regulatory Analyst			
		DATE 2/4/2010			

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: February 08, 2010

By: 



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013341230000

As discussed with El Paso on January 20th and 27th, 2010. They were told to run this test prior to running casing and a CBL may be necessary if test failed. As casing was already set, unable to do a good CBL to determine TOC. This found to be only decent avenue to pursue to ensure good cement coverage. NOTE: Was circulating preflush to surface before lost returns and cement fell back according to El Paso. Estimated cement was 200' from surface. Temp Log run at the time was inconclusive on TOC as it only definitively showed the heavier tail cement and not the very light lead cement.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: February 08, 2010

By: Dan K. Quist



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/9/2009	10:00 - 13:00	3.00	D	01		MOVE IN & RIG UP PRO PETRO RIG #5
	13:00 - 13:30	0.50	D	01		CALIPHER & MEASURE DC'S & DP PREPARE TO SPUD
	13:30 - 14:00	0.50	D	18		PRESUD SAFETY MEETING
	14:00 - 06:00	16.00	D	03		SPUD & DRILL 17.5" HOLE F/ 40' - 600' SURVEY AT @510' .75" AT 570' WELL STARTED MAKING 10 BPH WATER DRLG. PARAMETERS: 7500# BIT WT. 30 BPH WATER 2420 CFM AIR
11/10/2009	06:00 - 06:15	0.25	D	18		HAND OVER AND PRETOUR SAFETY MEETING
	06:15 - 18:00	11.75	D	03		DRILL 17 1/2" CONDUCTOR HOLE F/ 600' - 840' SURVEY @ 690' .75"
	18:00 - 18:15	0.25	D	18		HAND OVER AND PRETOUR SAFETY MEETING
	18:15 - 06:00	11.75	D	03		DRILL 17 1/2" HOLE F/ 840 - 1140' DRLG. PARAMETERS: BIT WT. 8500# RPM 20 CFM AIR 3490 STARTING AT 990' WATER HAS INCREASED F/ 25 BPH TO 400 BPH SURVEY @ 1080' 1/4"
11/11/2009	06:00 - 06:00	24.00	D	03		DRILL F/ 1140 - 1200' WELL MAKING 400+ BBLS. / HR CIRC. HOLE CLEAN POH W/ AIR HAMMER LAYED DOWN AIR HAMMER AND AIR DRLG. STRING RIH WITH 17 1/2" TRI CONE INSERT BIT PICKED UP DRILL STRING USED FOR ROTARY DRILLING WASHED AND REAMED F/330' - 1200' HAD 4 HRS. REPAIR TIME ON MUD PUMP & 7 HRS. WASHING AND REAMING TO BTM. JUST BACK ON BTM. AT 0600 HRS. DRLG. PARAMETERS: BIT WT. 25000# RPM 90 PUMP OUTPUT 546 GPM 450 PSI AIR HAMMER HAD ALL SHOULDER CUTTERS DAMAGED
11/12/2009	06:00 - 06:15	0.25	D	18		HOLD HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:00	23.75	D	03		DRILL 17 1/2" CONDUCTOR HOLE F/ 1200' - 1470' VERY ROUGH DRLG. DRLG. PARAMETERS: BIT WT. 15000 - 25000# RPM 100 PP 700 PSI PUMP OUTPUT 546 GPM USING AIR PERIODICALLY TO ASSIST IN HOLE CLEANING SURVEYS @ 1320' 1" @ 1410' 13/4" AT PRESENT DRLG. W/ 15000 BIT WT. 100 RPM
11/13/2009	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 12:00	5.75	D	03		DRILL 17 1/2" HOLE F/ 1470' - 1542' AT 1520' STARTED SEEING SURFACE FRACTURES NEAR LEASE ENTRANCE & SHORTLY THERE AFTER STARTED GETTING AIR / WATER BLOWING OUT OF THESE FRACTURES SHUT DOWN AIR (UNABLE TO GET NORMAL CIRCULATION WITH OUT AIR ASSIST) DRILLED AHEAD BLIND F/ 1520' - 1542'
	12:00 - 15:00	3.00	D	04		DECISION WAS MADE TO STOP DRLG. AT THIS POINT & RUN CONDUCTOR PIPE CIRCULATED HOLE CLEAN POH LAYED DOWN DRILL STRING
	15:00 - 18:00	3.00	D	12		RIG UP TO RUN CASG. HOLD SAFETY MEETING RAN 35 JTS. 13 3/8" J55 54.5# BUTT. CASG. LENGTH W/ FLOAT EQUIP. 1501.00' RAN CENTRALIZERS ON JTS. 1, 2, 3 & EVERY THIRD JT. THERE AFTER RAN 1" PIPE DOWN ANNULUS TO 100'
	18:00 - 18:15	0.25	D	18		SAFETY MEETING W/ CEMENTERS
	18:15 - 02:00	7.75	D	14		CIRCULATED CASG. CAP. WITH RESERVE PIT WATER (NO RETURNS) CMT'D CASG. W/ 450 SX 11.0 PPG LEAD CMT. W/ 16% GEL, 10# GILSONITE, 3# GR.3, 3% SALT & 1/4# FLOCELE FOLLOWED BY 640 SX 15.8 PPG TAIL CMT. W/ 2% CACL2, 1/4# FLOCELE GOT CIRCULATION BACK AFTER STARTING TO DISPLACE CMT. DISPLACED CMT. W/ 225.3 BBLS. H2O PUMP PLUG W/ 850 PSI PLUG DOWN @2353 HRS. NOV. 12 / 09 HAD APPROX. 90 BBLS. CMT. RETURNS CMT. DROPPING IN ANNULUS TIED INTO 1" PIPE AND PUMPED 225 SX 15.8# CMT. W/

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EL PASO PRODUCTION Operations Summary Report

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Rig Name:

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Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/13/2009	18:15 - 02:00	7.75	D	14		4% CACL2 & 1/4# FLOCELE HAD GOOD RETURNS TO SURFACE WHILE CMT. WAS BEING PUMPED WITH PUMP OFF CMT. DROPPED IN ANNULUS WAIT ON CMT. TO SET FOR 1 HR. PUMPED ADDITIONAL 100 SX 15.8# CMT. W/ 4% CACL2 & 1/4# FLOCELE DOWN ANNULUS NO DROP IN ANNULUS SHOE @ 1501' FC @ 1457.73'
	02:00 - 02:30	0.50	D	01		RIG OUT PRO PETRO CEMENTERS RIG RELEASED @ 0230 HRS. NOV. 13 / 09
12/13/2009	06:00 - 06:30	0.50	D	18		RELEASED RIG FROM DWR 3-32B5 AT 0600 12-12-2009, TO RIG DOWN AND MOVE TO OWL & HAWK 2-31B5
	06:30 - 07:00	0.50	D	01		HAD PREVIOUSLY WELDED WELLHEAD ONTO CONDUCTOR AND TESTED TO 800 PSI FOR 15 MINUTES. STACKED B & C SECTIONS, LOWER RAMS AND MUD CROSS.
	07:00 - 07:30	0.50	D	18		WAIT ON DAYLIGHT, HOLD SAFETY MEETING WITH RIG CREWS AND TRUCKERS AND DISCUSS RIG DOWN AND HAZARDS, TAGLINES, TIEOFFS, OVERHEAD LOADS, RIG MATTS, AND PROPER PPE.
	07:30 - 17:30	10.00	D	01		RIG DOWN TO MOVE. REMOVE WIND BREAK, HAUL TOPDRIVE, CHOKE HOUSE, GAS BUSTER, TOOL SHED, FLARE PIT. LOWER RACKING BOARD AND DERRICK, DEENERGIZE POWERLINE, UNSTRING BLOCKS.
12/14/2009	17:30 - 06:00	12.50	D	18		WAIT ON DAYLIGHT
	06:00 - 07:30	1.50	D	18		SAFETY MEETING WITH CREWS AND RIG MOVERS, SNOWING HARD WITH 6" OF NES SNOW, NO SNOW REMOVAL EQUIPMENT WORKING YET, WESTROC MANAGEMENT RECOMMENDED SUSPENDING RIG DOWN/MOVE DUE TO WEATHER BECAUSE IT WAS PREDICTED TO SNOW HARD ALL DAY.
	07:30 - 12:00	4.50	D	01		RIG CREW WORKED UNTIL NOON FINISHING RIGGING DOWN LIGHTS, ELECTRICAL AND HOSES
12/15/2009	12:00 - 06:00	18.00	D	18		WAIT ON DAYLIGHT
	06:00 - 07:00	1.00	D	01		WAIT ON DAYLIGHT
	07:00 - 07:30	0.50	D	18		SAFETY MEETING WITH RIG CREWS AND RIG MOVERS, COVERED HAZARDS, AND OPERATION SCHEDULE.
	07:30 - 17:30	10.00	D	01		SET OUT DERRICK, LOWER DRAWWORKS AND DISSASSEMBLE, MOVE MATTS AND RIG TO NEW LOCATION
12/16/2009	17:30 - 06:00	12.50	D	01		WAIT ON DALIGHT
	06:00 - 07:30	1.50	D	01		W O DAYLIGHT
	07:30 - 07:45	0.25	D	18		SAFETY MEETING W/ RIG MOVERS, CRANE OPERATORS, RIG CREWS, ELPASO SAFETY CORDINATOR, ELPASO DRLG. PERSONEL
	07:45 - 18:00	10.25	D	01		FINISH PINNING SUB STRUCTURE, LEVEL SAME RAISE DERRICK STARTING LEGS PIN DRAW WORKS SET IN REMAINDER OF MATTING SPOT MUD MANIFOLD SKID, AND BOTH MUD PUMPS SPOT BOTH MUD TANKS, PREMIX TANK AND ALL SUPPORT BUILDINGS PIN DERRICK TO STARTING LEGS
12/17/2009	18:00 - 06:00	12.00	D	01		W O DAYLIGHT
	06:00 - 07:30	1.50	D	01		W O DAY LIGFHT
	07:30 - 07:45	0.25	D	18		SAFETY MEETING W/ RIG MOVERS, RIG CREWS, CRANE CREW & ELPASO PERSONEL
	07:45 - 18:00	10.25	D	01		HOOK UP SUIT CASES START MAIN ENGINE RUN POWER CORDS PREPARE AND RAISE DRAW WORKS SET IN POWER CORD OCTOPUS (CABLE TRAY) RIG IN PREFAB FRAME WORK 50% OF TARPS IN PLACE STRING TRAVELLING BLOCKS

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EL PASO PRODUCTION Operations Summary Report

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Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/17/2009	07:45 - 18:00	10.25	D	01		CONT. WITH GENERAL RIG UP
	18:00 - 06:00	12.00	D	01		W O DAYLIGHT
12/18/2009	06:00 - 07:00	1.00	D	01		W O DAYLIGHT
	07:00 - 07:45	0.75	D	18		SAFETY MEETING WITH RIG MOVERS, CRANE OPERATORS, RIG CREWS & ELPASO PERSONEL
	07:45 - 18:00	10.25	D	01		CONT. WITH GENERAL RIG UP PUTTING UP PREFABS, HOOKING UP AIR LINES & HYDRAULIC LINES 2 ELECTRICANS WORKING ON SCR ROOM & GEN #3 POWER TO DRAW WORKS AT 1500 HRS. SPOOL DRLG. LINE ONTO DRAW WORKS DRUM WHILE SPOOLING DRLG. LINE, BRIDLE LINE GOT BESIDE SHEAVE CAUSING A KINK IN BRIDLE LINE. PICTURES WERE TAKEN AND FORWARDED TO PRECISION DRLG.S OFFICE. SET IN REMAINDER OF RIG MATTS SPOTED CHOKE MANIFOLD BUILDING, GAS BUSTER, TOOL HOUSE & BOTH 400 BBL. TANKS
						CONT. WITH GENERAL RIG UP
12/19/2009	18:00 - 06:00	12.00	D	01		W O DAYLIGHT
	06:00 - 07:30	1.50	D	01		W O DAYLIGHT
	07:30 - 09:30	2.00	D	18		PRE SPUD AND SAFETY MEETING WITH PRECISION CREWS, DRILLING FOREMEN, AES, TOTAL DIRECTIONAL, SCHLUMBERGER, WEATHERFORD, NATIONAL OILWELL, DENVER DRILLING MANAGEMENT, AND BERNIE CASON.
	09:30 - 19:00	9.50	D	01		REMOVE DAMAGE BRIDLE LINE, SEND OUT TO BE REPLACED. FIRE BOILER, RIG IN STEAM LINES, FINISH TARPING IN BACK SECTION, RIG IN KILL LINE. WAIT FOR BRIDLE LINE.
12/20/2009	19:00 - 06:00	11.00	D	01		W O DAYLIGHT
	06:00 - 07:00	1.00	D	01		W O DAYLIGHT
	07:00 - 07:30	0.50	D	18		SAFETY MEETING WITH RIG MOVERS, CRANE OPERATORS, RIG CREWS & ELPASO PERSONEL
	07:30 - 19:00	11.50	D	01		WAIT ON CERTIFICATION & INSTALL NEW BRIDLE LINE PREPARE, INSPECT MONKEY BRD & DERRICK RAISE SAME DERRICK UP UP AT 1315 HRS. PREPARE RACKING PLAT FORM (ATTACH PREFABS) AND RAISE SET IN MATTING FOR CATWALK SPOT CATWALK, RAISE SKATE & V DOOR RESET TOP DRIVE BUILDING & LEVEL START HOOKING UP GAS BUSTER LINES SER. & HOOK UP RESERVE PIT PUMP FILL MUD TANKS & PREMIX TANK W/ WATER KEEP STEAM HOSES GOING IN TANKS TO THAW OUT VALVES & PARTIALLY FROZEN LINES DIG DITCHES AROUND DRLG. RIG CONT. WITH GENERAL RIG UP
12/21/2009	19:00 - 06:00	11.00	D	01		W O DAYLIGHT
	06:00 - 07:00	1.00	D	01		WAIT FOR DAY LIGHTS
	07:00 - 07:30	0.50	D	18		SAFETY MEETING
	07:30 - 20:00	12.50	D			MAKE UP LOWER SECTION OF TORQUE TUBE, SWIVEL & TOP DRIVE HOOK UP CHOKE LINE VALVES, CHOKE LINE TO MANIFOLD SHACK & LINES TO GAS BUSTER SPOT BARITE TRAILERS RECIEVED MUD PRODUCTS SPOTED AIR ASSOCIATES AIR DRLG. EQUIP. HOOK UP GAS LINES F/ GAS BUSTER TO FLARE TANK BOS SYSTEMS TECH SERVICED PREMIX TANK, CHANGED NUMEROUS VALVES & FITTINGS
						CONT. WITH GENERAL RIG UP
	20:00 - 02:00	6.00	D	01		WAIT FOR DAY LIGHT.
	02:00 - 02:15	0.25	D	18		SAFETY MEETING
12/22/2009	02:15 - 06:00	3.75	D	01		WORK ON TOP DRIVE, FLARE LINES
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/22/2009	06:15 - 17:00	10.75	D	01		CONT. NIPPLE UP BOP & ROTATING HEAD (HAVE BEEN WORKING ON TOP DRIVE EVER SINCE TOP DRIVE HAS BEEN PICKED UP)
	17:00 - 17:15	0.25	D	09		RIG IN WEATHERFORD HOLD SAFETY MEETING
	17:15 - 19:00	1.75	D	18		PRESS. TEST CHOKE MANIFOLD VALVES WHILE FINISHING NIPPLING UP
	19:00 - 19:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	19:15 - 00:00	4.75	D	09		CONT. PRESS. TESTING CHOKE MANIFOLD VALVES. 250 PSI LOW 5000 PSI HIGH
12/23/2009	00:00 - 06:00	6.00	D	09		PRESSURE TEST UPPER & LOWER PIPE RAMS, BLIND RAMS, 250 PSI LOW, 5000 PSI HIGH. TEST ANNULAR TO 250 PSI LOW, 2500 PSI. PRESSURE TEST INSIDE BOP, STAND PIPE & MANIFOLD.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING REVIEW JSA# 82
	06:15 - 08:15	2.00	D	09		PRESS. TESTING
	08:15 - 16:45	8.50	DT	65		PRESS. TEST BLIND RAMS to 250 PSI LOW & 5000 PSI HIGH 10 MIN. DURATION PRESS. TEST CASG. TO 1000 PSI FOR 30 MIN. ATTEMPT TO PRESS. TEST TOP DRIVE, SWIVEL & MUD LINE BACK TO MUD MANIFOLD WASH PIPE KEEPS LEAKING CHANGED OUT WASH PIPE & PACKING THE SEALING AREA (AREA WHERE WASH PIPE MEETS GOOSE NECK) IS BADLY CORRODED & THE METAL IS EATEN AWAY AFTER TRYING TO OBTAIN A PRESS. TEST SEVERAL TIMES WITH NO SUCCESS, GOOSE NECK WAS REMOVED & TAKEN TO W.E MACHINE IN ROOSEVELT TO BE REPAIRED
	16:45 - 18:00	1.25	D	09		PRESS. TEST INSIDE BOP, & STABBING VALVE TEST PRESS. 250 PSI LOW & 5000 PSI HIGH 10 MIN. DURATION
	18:00 - 20:00	2.00	D	18		SAFETY STD. DOWN MEETING ATTENDED BY PRECISION DRLG. SUPERINTENDANT, SAFETY COORDINATOR, DRLG. CREWS & BOTH ELPASO DRLG. CONSULTANTS
	20:00 - 20:30	0.50	D	65		CONDUCT 5 FUNCTION TEST WITH ACC. SHUT OFF. FINAL ACC. PRESS. 1200 PSI RECHARGE TO 3000 PSI IN 1 MIN. 28 SEC'S
	20:30 - 21:15	0.75	DT	65		WAIT ON GOOSE NECK
	21:15 - 22:30	1.25	DT	65		INSTALL GOOSE NECK & PACKING.
	22:30 - 00:00	1.50	DT	65		FILL LINE, PRESSURE TEST
	00:00 - 00:15	0.25	DT	65		SAFETY MEETING REVIEW JSA # 76 90 CONNECTION
	00:15 - 02:15	2.00	DT	65		ATTEMPT TO PRESSURE TEST WASH PIPE, NO TEST.
	02:15 - 03:30	1.25	D	18		LAY OUT TEST PLUG, INSTALL WEAR BUSHING.
	03:30 - 04:15	0.75	D	18		BLOW KELLY & MANIFOLD LINES.
12/24/2009	04:15 - 04:30	0.25	D	18		RIG SERVICE FUNCTION BLIND RAMS 7 SEC.
	04:30 - 06:00	1.50	D	04		PICK & MAKE UP BHA.
	06:00 - 06:45	0.75	D	18		HAND OVER & PRETOUR SAFETY MEETING REVIEW JSA #73, 55, 84 PICKING UP DC'S PULLING & SETTING SLIPS
	06:45 - 09:45	3.00	D	05		CHANGING OUT WASH PIPE
	09:45 - 11:45	2.00	DT	65		MAKE UP 95/8" MOTOR (SET AT 1.5") TORQUE BUSTER, HBHO & MONEL DC'S SCRIBE MOTOR
	11:45 - 18:00	6.25	D	04		REPLACE GOOSE NECK ON SWIVEL (REPLACEMENT ARRIVED FROM GRAND JUNCTION) REPLACEMENT GOOSE NECK LEAKING WORSE THAN PREVIOUS ONE (HAVE NEW WASH PIPE CARTRIDGE ORDERD)
	18:00 - 18:15	0.25	D	18		CONT. MAKING UP BHA TO 888'
	18:15 - 00:00	5.75	DT	65		CREW CHANGE MEETING (REVIEW JAS #84 CHANGE OUT SWIVEL) # 44 MANWINCH
						LOOSEN BOLTS ON TOP OF GOOSE NECK & TRY TO HAMMER

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/24/2009	18:15 - 00:00	5.75	DT	65		UNION TIGHTER, UNSUCCESSFUL, CHANGE OUT WASH PIPE, UNSUCCESSFUL. BREAK OUT SWIVEL & CHANGE OUT.
	00:00 - 04:00	4.00	DT	65		CHANGE OUT SWIVEL.
	04:00 - 04:15	0.25	DT	67		SAFETY MEETING, REVIEW JSA 38, 7 OPERATING SKATE & PU DP.
	04:15 - 06:00	1.75	DT	65		PRESSURE TEST SWIVEL TO 3000 PSI.
12/25/2009	06:00 - 06:30	0.50	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSE HOLE CONNECTIONS
	06:30 - 09:00	2.50	D	04		CONT. PICKING UP 5" DP TO 1460' TAG CMT. AT 1460'
	09:00 - 13:30	4.50	D	13		DRILL OUT CMT. F/ 1460' - 1491' DRILL PLUG, FLOAT COLLAR & CMT. F/ 1491' - 1525'
	13:30 - 14:15	0.75	D	06		CUT OFF EXCESS DRILL LINE
	14:15 - 16:30	2.25	DT	65		PRESS. TEST SURFACE EQUIP. REPLACED GATES, SEATS & STEM PACKING ON 2 MUD MANIFOLD VALES RETESTED TO 3500 PSI
	16:30 - 16:45	0.25	D	13		DRILL CMT. F/ 1525' - 1531'
	16:45 - 17:15	0.50	DT	65		WORK ON PASON FLOW SHOW, ROP & AUTO DRILLER
	17:15 - 17:45	0.50	D	13		DRILL OUT CMT. & SHOE F/ 1531' - 1535'
	17:45 - 18:00	0.25	D	08		CIRC. BTMS. UP
	18:00 - 18:15	0.25	D	18		CREW CHANGE MEETING, JAS # 78 AIR DRILLING.
	18:15 - 18:45	0.50	D	09		FIT. SURFACE PRESS 280 PSI. HYROSTATIC PRESS 670 PSI =950 PSI /1535'=0.618 GRADIENT ECMW 11.9 PSI/FT.
	18:45 - 20:45	2.00	D	03		DRILL W/ 12 1/4 PDC F/ 1535'-1613' 78 FT 39 FT/HR
	20:45 - 22:15	1.50	D	18		RIG IN AIR SYSTEM, INSTALL R-BOP
	22:15 - 00:00	1.75	D	03		DRILL W/ 12 1/4" PDC F/ 1613' - 1642'. 29 FT 16.5 FT/HR 650 GPM, 750 SCFM 5.2 ECD.
	00:00 - 00:15	0.25	D	18		SAETY MEETING REVIEW JSA # 77 / 75
	00:15 - 01:45	1.50	D	03		DRILL W/ 12 1/4" PDC F/ 1642' - 1670'. 18 FT 18 FT/HR 600 GPM, 650 SCFM 5.2 ECD.
	01:45 - 02:00	0.25	D	06		RIG SERVICE FUNCTION UPPER PIPE RAMS. 7 SEC.
	02:00 - 05:00	3.00	D	03		DRILL W/ 12 1/4" PDC F/ 1670' - 1000'. 18 FT 18 FT/HR 600 GPM, 715 SCFM 5.3 ECD. SLIDING 1765'-1785' 18'
12/26/2009	05:00 - 06:00	1.00	D	05		ACCUM CONNECTION & SURVEY TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING ON AIR DRILLING
	06:15 - 14:45	8.50	D	03		DRILL 12 1/4" HOLE F/ 1820' - 2118' SLIDE F/ 1858' - 1878' 1952' - 1972' 2045' - 2065' DRLG. W/ 600 GPM WATER & 650 - 700 CFM AIR
	14:45 - 15:45	1.00	D	18		ACC. SURVEY & CONN. TIME
	15:45 - 16:00	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C/ O 24 SEC'S
	16:00 - 18:00	2.00	D	03		DRILL F/ 2118' - 2236' SLIDE 2139' - 2159' DRILL WITH 600 GPM AND 700 CFM AIR FOR 5.5 ECD
	18:00 - 18:15	0.25	D	18		CREW CHANGE MEETING, JSA #3 USE OF TONGS/ 83 MIXING ON MUD TANKS
	18:15 - 23:00	4.75	D	03		DRILL F/ 2236' - 2418' 600 GPM WITH 700 CFM FOR 5.65 PPG ECD
	23:00 - 23:15	0.25	D	06		LUBRICATE RIG FUNCTION LPR 7SEC C/O
	23:15 - 23:30	0.25	D	03		DRILL 2418' - 2424'. 600 GPM. 700 CFM FOR 5.69 PPG ECD
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME. PUMPED TO MUCH WATER AT CONNECTION AT 2418' WHICH KILLED CIRCULATION AND REQUIRED TO BRING CFM UP TO 1250 TEMPORALY. 600 GPM.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING, JSA #38 OPETATING SKATE
	00:15 - 05:00	4.75	D	03		DRILL F/ 2424' - 2607' 1000CFM AIR WITH 600 GPM FOR 5.2 ECD. 665 PSI.
	05:00 - 06:00	1.00	D			ACCUMULATED SURVEY AND CONNECTION TIME.

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/27/2009	06:00 - 06:15	0.25	D	18		HAND OVER & CREW CHANGE SAFETY MEETING JSA #38,44 & 70 MAN WINCH OPERATION, DE - ICEING MATTING
	06:15 - 14:45	8.50	D	03		DRILL 121/4" HOLE F/ 2607' - 2886' 600 - 750 GPM WATER 650 - 750 CFM AIR AFTER CONNECTIONS ARE MADE, HAVING TO TO DECREASE PUMP OUTPUT & INCREASE AIR TO 1000 - 1100 CFM TO REGAIN CIRC
	14:45 - 15:30	0.75	D	04		ACC. SURVEY & CONNECTION TIME
	15:30 - 15:45	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C/O 7 SEC'S CK. CROWN SAVER
	15:45 - 18:00	2.25	D	03		DRILL F/ 2886' - 2945'. 800 CFM AND 750 GPM FOR 6.1 PPG ECD. LOOSING SLOWLY. 850 PSI.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING. JSA#4 SETTING AND PULLING SLIPS, JSA# 70 DEICING MATTING
	18:15 - 21:00	2.75	D	03		DRILL F/ 2945' - 2979'. 800 CFM AND 750 GPM FOR 6.1 PPG ECD. 850 PSI, FLUID LEVEL HOLD ING OR FALLING VERY SLOWLY.
	21:00 - 21:15	0.25	D	06		LUBRICATE RIG, FUNCTION UPR 7 SEC TO CLOSE
	21:15 - 23:30	2.25	D	04		DRILL 2979' - 3035' 800 CFM AND 750 GPM FPR 6.1 PPG ECD 850 PSI
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING REVIEW JAS #49 BATTERY MAINTANENCE, JSA # 90 WORKING ON PUMPS
	00:15 - 01:30	1.25	D	03		DRILL 3035' - 3075' LOST TOTAL RETURNS, SLOWED PUMPS TO 600 GPM AND AIR TO 1200 CFM. RECOVERED RETURNS, 5.7 PPG ECD. 675 PSI
	01:30 - 01:45	0.25	D	06		LUBRICATE RIG FUNCTION LPR 7 SEC TO CLOSE
	01:45 - 05:30	3.75	D			DRILL 3075' - 3140'. 800 CFM AND 650 GPM FOR 5.9 PPG ECD 900 PSI
	05:30 - 06:00	0.50	D			ACCUMULATED SURVEY AND CONNECTION TIME
12/28/2009	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 17:15	11.00	D	03		DRILL 121/4" HOLE F/ 3140' - 3270' 650 - 750 GPM WATER & 1000 - 1250 CFM AIR
	17:15 - 17:30	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C/O 7 SEC'S
	17:30 - 18:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	18:00 - 19:00	1.00	D	08		CIRC. BTMS. UP (SAFETY AND CREW CHANGE MEETING JSA 3 12/3/4/47/1). NO RETURNS
	19:00 - 23:00	4.00	D	04		POOH, RULL 5 STANDS, REMOVE ROTATING RUBBER, FLOW CHECK, BLOW DOWN KELLY AND LINES. POOH. CHECK FLOW AT 1567 AND 844'. LD JARS, ONE MONEL, MWD, 2 TBR, AND BREAK OFF BIT.
	23:00 - 02:45	3.75	D	04		MAKE UP BIT #2, PU MWD, TBR'S, MONEL AND JARS, RIH TO 1600'.
	02:45 - 03:30	0.75	D	05		PULSE TEST MWD.
	03:30 - 03:45	0.25	D	06		LUBRICATE RIG FUNCTION UPR/LPR 7 SEC TO CLOSE.
	03:45 - 04:00	0.25	D	04		CONTINUE TO RIH, INSTALL ROTATING RUBBER AT 2893'
12/29/2009	04:00 - 04:45	0.75	D	04		WASH DOWN FROM 3171 TO 3270'.
	04:45 - 06:00	1.25	D	03		DRILL 3270' - 3290' 800 CFM AND 700 GPM FOR 6.3 PPG ECD 1035 PSI NO RETURNS.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 09:00	2.75	D	03		DRILL 121/4" HOLE F/ 3290' - 3355' 800 CFM AIR 700 GPM WATER ECD 6.3 PPG NO RETURNS
	09:00 - 09:15	0.25	D	05		ACC. SURVEY & CONNECTION TIME
	09:15 - 09:45	0.50	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C/O 24 SEC'S
	09:45 - 18:00	8.25	D	03		DRILL F/ 3355' - 3466'. PIT BACK TO 3' DOWN. PRESSURE 1950 PSI AT 600 GPM AND 1100 CFM FOR 5.7 PPG ECD.

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
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Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/29/2009	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING, JAS #38 OPERATING SKATE
	18:15 - 19:30	1.25	D	03		DRILL F/ 3466' - 3477'. PRESSURE IS RUNNING 800 PSI OVER CALCULATED AND ROP STOPPED WHEN ROTATING DP IS STOPPED WITH THE PRESSURE INCREASING WHILE STOPPED RATHER THAN DROPPING AS EXPECTED. PREPARE TO POOH.
	19:30 - 00:00	4.50	DT	62		POOH. PULL 5 STANDS, REMOVE STRING FLOAT SUB, FLOW CHECK AND BLOW DOWN SYSTEM, POOH FLOW CHECKS AT 1638' AND 831'. CHECK SYSTEM FOR BLOCKAGE. PUMP ON BHA AT TOP OF BIG COLLARS. SYSTEM PLUGGED. 1150 PSI AT 500 GPM AND CLIMBING. MOTOR IS LOCKED UP COULD NOT TURN IT TO DRAIN. BIT IN GREAT SHAPE.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #3 USE OF TONGS, #4 SETTING SLIPS, #25 HANDLING BHA, #41 UNLOADING CASING FROM TRUCKS.
	00:15 - 03:00	2.75	DT	62		PU MOTOR, MU XO, BIT, MWD AND ORIENT.
	03:00 - 04:30	1.50	DT	62		MU BHA AND RIH TO 1540'.
	04:30 - 04:45	0.25	D	06		LUBRICATE RIG
	04:45 - 05:00	0.25	DT	62		PULSE TEST MWD AT 1540'. 437 PSI AT 426 GPM AT TERMINATION OF TEST
12/30/2009	05:00 - 06:00	1.00	DT	62		CONTINUE TRIP IN HOLE.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:45	0.50	D	04		CONT. RIH TO 3382' WASH F/ 3382' - 3477' HOLE GOOD ON TRIP IN HOLE
	06:45 - 17:15	10.50	D	03		DRILL 12 1/4" HOLE F/ 3477' - 3824' 650 GPM WATER 1050 CFM AIR
	17:15 - 17:45	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	17:45 - 18:00	0.25	D	06		RIG SER. FUNCTION UPR C / O 7 SEC'S
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #19 DRIVING TO AND FROM LOCATION #44 MAN WINCH, #47 PIPE SPINNER
	18:15 - 21:45	3.50	D	03		DRILL F/ 3824' - 3920'. 800 GPM AND 850 CFM FOR 6.5 PPG ECD 1850 PSI
	21:45 - 22:00	0.25	D	06		LUBRICATE RIG FUNCTION LPR 7 SEC TO CLOSE
	22:00 - 23:00	1.00	D	03		DRILL F/ 3920 - 3951'. 800 GPM AND 900 CFM FOR 6.6 PPG ECD. 1925 PSI. GOOD RETURNS
	23:00 - 00:00	1.00	D	05		ACCUMULATED SURVEY AND CONNECTION TIME. SURVEYS FAILED LAST 2 CONNECTIONS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #51 WORKING ON ROOFS, #71 CLEANING BELLY PAN
	00:15 - 03:00	2.75	D	03		DRILL F/ 3920' - 4016'. 780 GPM AND 1050 CFM FOR 6.4 PPG ECD. 1940 PSI. GOOD RETURNS. NO SURVEY SINCE 3671'.
	03:00 - 03:15	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE
12/31/2009	03:15 - 06:00	2.75	D	03		DRILL F/ 4016' - 4075'. 788 GPM AND 1050 CFM FOR 6.4 PPG ECD. 1905 PSI. FLUID HOLDING CONSTANT IN RESERVE PIT.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 12:45	6.50	D	03		DRILL 12 1/4" HOLE F/ 4075' - 4233' 750 GPM & 1050 CFM AIR ECD 6.5 PPG
	12:45 - 13:15	0.50	DT	64		CIRC. DRILL PIPE CAP. W/ WATER
	13:15 - 14:00	0.75	DT	64		POH UP TO 3353' REMOVE STRING FLOAT
	14:00 - 14:15	0.25	DT	67		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	14:15 - 16:15	2.00	DT	61		RIG IN CASED HOLE SOLUTIONS HOLD SAFETY MEETING RUN IN & RETRIEVE NON FUNCTIONING MWD PROBE RUN IN W/ MWD MUD PULSE PROBE & SET NO PROBLEMS
	16:15 - 17:30	1.25	DT	64		RIH TAKE SURVEYS AT @3763' 1.1* AZ 23.8 @ 3955' 1.0* AZ

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Event Name: DRILLING
Contractor Name:
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Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/31/2009	16:15 - 17:30	1.25	DT	64		33.7 @ 4146' .8" AZ 28.1
	17:30 - 18:00	0.50	D	03		DRILL F/ 4233' - 4245', NO RETURNS, 800 GPM AND 1050 CFM AIR.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA # 7 MOUSE HOLE
						MU. #19 DRIVING TO LOCATION
	18:15 - 21:00	2.75	D	03		DRILL F/ 4245' - 4295'. 708 GPM AND 1300 CFM FOR 6.1 ECD. 1628
						PSI. REESTABLISHED CIRCULATION.
	21:00 - 21:15	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE
	21:15 - 23:15	2.00	D	03		DRILL F/ 4295' - 4342', 700 GPM AND 1100/1450 CFM FOR 6.2/5.8
						PPG ECD AND 1790 PSI. INTERMITTENT RETURNS
	23:15 - 00:00	0.75	D	05		ACCUMULATED CONNECTION AND SURVEY TIME
1/1/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #75 RELEASE TRAPPED TORQUE, JSA #77
						LOCK OUT TAG OUT TRY OUT
	00:15 - 03:00	2.75	D	03		DRILL F/ 4342' - 4387'. 660 GPM AND 1250 CFM FOR 6.1 PPG ECD.
						1600 PSI. NO SURVEY AT CONN AT 4387'.
	03:00 - 03:15	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 24 SEC TO CLOSE.
	03:15 - 05:30	2.25	D	03		DRILL F/ 4385' - 4435'. 700 GPM 1200 CFM FOR 6.3 CFM. 1633 PSI.
	05:30 - 06:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 07:15	1.00	D	03		DRILL 12 1/4" HOLE F/ 4435' - 4455' 700 GPM 1200 CFM AIR ECD
						6.3 PPG
1/2/2010	07:15 - 07:45	0.50	D	08		CIRC. BTMS. UP
	07:45 - 11:30	3.75	D	04		POH W/ RR #2 TAKE REQUIRED FLOW CK'S SLIGHT TIGHT
						SPOTS AT @ 3535' & 2914' 10K OVERPULL
	11:30 - 13:00	1.50	D	04		REMOVE MWD PROBE, LAY DOWN BOTH GAP SUBS, REMOVE &
						INSPECT DRILL BIT
	13:00 - 13:15	0.25	D	06		RIG SER. FUNCTION BLIND RAMS C/O 7 SEC'S
	13:15 - 17:30	4.25	D	04		MAKE UP RR VAREL 5-1-7 INSERT BIT, INSTALL MWD PROBE RIH
						SHALLOW TEST MWD AT @ 974' & 1944' TOOL NOT PULSING
	17:30 - 18:00	0.50	D	04		CONT. RIH TO 4138' INSTALL ROTATING HEAD ELEMENT
	18:00 - 18:15	0.25	D	18		CONT. RIH TO 4360' WASH F/ 4360' - 4455' 4' FILL ON BTM.
1/2/2010						CREW CHANGE SAFETY MEETING JSA #19 DRIVE TO/FROM
	18:15 - 18:45	0.50	D	03		LOCATION
						DRILL F/ 4455' - 4472'. 700 GPM AND 1200 CFM FOR 6.2 PPG ECD,
						1475 PSI. NO RETURNS YET FROM TRIP.
	18:45 - 19:00	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE.
	19:00 - 19:30	0.50	D	05		ATTEMPT TO SURVEY WITH MWD
	19:30 - 00:00	4.50	D	03		DRILL F/ 4472' - 4565'. 700 GPM AND 1000 CFM FOR 6.4 PPG ECD,
						1500 PSI.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #44 MAN LIFT USE, #76 MOUSE HOLE
						CONNECTION#43 SETTING AND PULLING SLIPS
1/2/2010	00:15 - 05:45	5.50	D	03		DRILL F/ 4565' - 4675'. 700 GPM AND 775 GPM FOR 6.77 PPG EDC.
						1525 PSI.
	05:45 - 06:00	0.25	D	05		ACCUMULATED SURVEY ATTEMPTS AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 08:00	1.75	D	08		CIRC. BTMS. UP 700 GPM 1200 CFM AIR ECD 6.4 PPG
	08:00 - 09:00	1.00	D	04		MAKE 10 STD. WIPER TRIP UP TO 3750' HOLE APPEARS GOOD
						REMOVED STRING FLOAT
	09:00 - 10:15	1.25	D	05		RUN WIRELINE ELECTRONIC SINGLE SHOT SURVEY @4583' 1.5"
						AZ 311.60
	10:15 - 13:00	2.75	D	08		CIRC. COND. HOLE 700 GPM 1250 CFM AIR ECD 6.2 PPG
1/2/2010	13:00 - 13:15	0.25	D	06		LUBRICATE RIG SERVICE BLOCKS TOP DRIVE AND
						DRAWWORKS
	13:15 - 18:00	4.75	D	04		POH MEASURE OUT LAY DOWN 8" JARS, 2 - 1214" TBR'S, 2-8"

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/2/2010	13:15 - 18:00	4.75	D	04		MONEL DC'S, 95/8" MUD MOTOR & 121/4" DRILL BIT
	18:00 - 18:15	0.25	D	12		PULL WEAR RING.
	18:15 - 18:30	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING RIGGING UP TESCO, JSA # 96, #13 RUNNING CASING, #3 USE OF TONGS
	18:30 - 21:00	2.50	D	12		RU TESCO CASING TOOLS. SAFETY MEETING FOR RUNNING PROCEDURE AND HAZARDS. SLID ROTATING RUBBER DOWN LANDING JOINT.
	21:00 - 00:00	3.00	D	12		RUN 9 5/8" 40 # N-80 LTC CASING: FLOAT SHOE, 1 JOINT CASING, FLOAT COLLAR, (49.24'), RUN 100 JOINTS CASING. (TOTAL 4622.95). RUN 1 STOP COLLAR ON EACH OF FIRST 2 JOINTS, ONE CENTRILIZER ON EACH STOP COLLAR AND ONE ON THE THIRD COLLAR. RUN ONE CENTRILIZER ON EVERY THIRD COLLAR UP TO INSIDE CONDUCTOR. PUMP THROUGH FLOAT EQUIPMENT AND PUMP 10 BBL EVERY 3 JOINTS TO FILL.
	00:00 - 00:15	0.25	D	12		SAFETY MEETING JSA #4, 43 PULLING AND SETTING SLIPS, # 38 OPERATING SKATE, #79 LAY DOWN CASING
	00:15 - 03:30	3.25	D	12		CONTINUE RUNNING 9 5/8" CASING.
	03:30 - 05:00	1.50	D	12		AFTER THE JOINT #101, PU 2 JOINTS AND WASH TO BOTTOM. TAG UP AT 4675'. LAY DOWN THE 2 JOINTS AND PU THE LANDING JOINT. LAND THE MANDREL ON THE CASING BOWL LOCK IN THE ROTATING RUBBER.
	05:00 - 05:30	0.50	D	08		PUMP 100 BBL WATER. PU 16' BALES AND 350 TON ELEVATORS.
	05:30 - 06:00	0.50	D	12		RIG DOWN CASING EQUIPMENT.
1/3/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:30	0.25	D	12		RIG UP 16' BALES AND 350 T ELEVATORS
	06:30 - 08:00	1.50	D	14		RIG IN SCHLUMBERGER INSTALL PLUG LOADING HEAD
	08:00 - 10:00	2.00	D	08		CIRC. AIRATED WATER AT 350 GPM & 1200 CFM AIR FOLLOWED BY 250 BBLs. 45 VIS. AIRATED DRLG. MUD/W/ 15% SAWDUST
	10:00 - 15:15	5.25	D	14		HOLD SAFETY MEETING CMT'D CASG. W/ 40 BBLs. 8.34 PPG MUD PUSH II FOLLOWED BY 780 SX LITECRETE 9.0 PPG 107 GAL/SK H2O, YIELD 2.84, VOLUME 393 BBL. FOLLOWED BY 210 SX 10-0 RFC 14.2 PPG, 8.073 GAL/SK H2O, YIELD 1.61. VOLUME 59 BBL. (CMT. VOLUMES 100% EXCESS OVER GAUGE HOLE)
						DISPLACED CASG. W/ 350 BBLs. 8.4 PPG WATER PUMP PLUG WITH 941 PSI FLOATS HELD OK HAD GOOD RETURNS THRU OUT CMT'G & FIRST 48 BBLs. OF DISPLACEMENT GOOD TO PARTIAL RETURNS FOR NEXT 282 BBLs. & NO RETURNS FOR LAST 20 BBLs. MUD FLUSHES RETURNED TO SURFACE. HAD SIGN OF CEMENT COMING OVER SHAKER PRIOR TO LOOSING CIRC. LAST RECORDED PH WAS 11.5 PLUG DOWN @1502 HRS. JAN 2 / 2010 SHOE DEPTH @ 4661' FLOAT COLLAR @ 4612'
	15:15 - 16:45	1.50	D	12		RIG OUT CMT. HEAD, BALES & ELEVATORS BACK OUT LANDING JT.
	16:45 - 18:00	1.25	D	10		HOLD SAFETY MEETING WITH WEATHERFORD, RUN PACKOFF, SET LOCK SCREWS AND ENERGIZE.
	18:00 - 18:15	0.25	D	18		TOUR CHANGE SAFETY AND OPERATIONS MEETING.
	18:15 - 21:00	2.75	D	09		TEST PACKOFF TO 5K FOR 15 MINUTES. RU AND TEST 9 5/8" CASING TO 1500 PSI FOR 30 MINUTES WITH B SECTION VALVE AND BLIND RAMS. RUN IN AND LOCK DOWN THE WEAR BUSHING.
	21:00 - 00:00	3.00	D	04		LAY DOWN 7" DC'S. TAKE ON MUD FROM RIG 404.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/3/2010	00:15 - 01:00	0.75	D			PU 5" HWDP, STAND IN DERRICK
	01:00 - 04:30	3.50	D	11		RIG UP WIRELINE AND RUN TEMPERATURE SURVEY. RIG DOWN WIRELINE.
	04:30 - 06:00	1.50	D	04		STRAP AND PU DIRECTIONAL TOOLS.
1/4/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 08:45	2.50	D	05		PU AND CHECK OUT DIRECTIONAL TOOLS
	08:45 - 10:30	1.75	D	04		TRIP IN HOLE TO 4325'
	10:30 - 11:45	1.25	D	04		CUT DRILLING LINE, ADJUST BRAKES AND LINKAGE
	11:45 - 12:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE AND DRAWWORKS
	12:00 - 12:30	0.50	D	04		TRIP IN HOLE 4325' TO 4610'.
	12:30 - 14:30	2.00	D	13		DRILL FLOAT AT 4611' AND CEMENT TO 4661'.
	14:30 - 14:45	0.25	D	13		DRILL CMT. F/ 4661' - 4672'
	14:45 - 15:30	0.75	D	08		CIRCULATE AND CONDITION
	15:30 - 15:45	0.25	D	18		BOP DRILL. WELL SECURE AND ALL MEN IN PLACE IN 45 SEC.
	15:45 - 16:45	1.00	D	09		RIG IN WEATHERFORD HOLD SAFETY MEETING CONDUCT F I T TEST WATER 8.5 PPG ADDED SURFACE PRESS. 290 PSI EQUALS TO .5 PSI /FT GRADIENT OR 9.69 PPG MUD
	16:45 - 17:00	0.25	D	13		DRILL CMT. F/ 4672' - 4675'
	17:00 - 18:00	1.00	D	03		DRILL 8 3/4" HOLE F/ 4675' - 4700'. 12/15 WOB 1000 PSI AT 400 GPM
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING. (RELIEF CREW HAD A ROLL OVER ON WAY TO WORK) Jsa # 53/90 90' MOUSE HOLE CONNECTIONS, #76 OPERATING SKATE #38
	18:15 - 23:45	5.50	D	03		DIRECTIONAL DRILL 8 3/4" HOLE 4700' - 4925' 490 GPM AT 1306 PSI, 12.8/15 WOB. SLIDE 4781 TO 4811'. 4870 TO 4900'.
	23:45 - 00:00	0.25	D	05		ACCUMULATED CONNECTION AND DIRECTIONAL WORK TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #83 MIXING CHEMICALS, #4 SETTING AND PULLING SLIPS BOP DRILL
	00:15 - 05:45	5.50	D	03		DIRECTIONAL DRILL 4925' - SLIDE 4967 TO 4985' / 5013 TO 5031' / 5060 TO 5079'
1/5/2010	05:45 - 06:00	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 08:00	1.75	D	08		CIRCULATE HOLE CLEAN TO TRIP. BIT AND MOTOR ARE NOT BUILDING AS PLANNED.
	08:00 - 11:00	3.00	D	04		POOH, PULL 5 STANDS. FLOW CHECKS AT 5152', 4777', 2800' AND , POOH, BHA OOH.
	11:00 - 12:00	1.00	D	04		CHANGE BITS AND CHECK MWD
	12:00 - 12:15	0.25	D	06		LUBRICATE RIG SERVICE BLOCKS TOP DRIVE SWIVEL AND DRAWWORKS
	12:15 - 15:00	2.75	D	04		RIH, FILL PIPE, BREAK CIRCULATION.
	15:00 - 15:30	0.50	D	07		WASH TO 5152'. GET SLOW PUMP ON #1
	15:30 - 18:00	2.50	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/ 5152' TO 5225' @400 GPM, 1000 PSI & 45 RPM'S SLIDE F/5155' TO 5173', 5187' TO 5203', 5217' TO 5225' {54.8 %}
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING {DRIVING INCIDENT, SET & FUNCTION CROWN SAVER, DISCUSSED JSA #17, 61 AND CONFINED SPACE ENTRY JSA#24 & 66.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/5225' TO 5378' @400 GPM, 1000 PSI & 45 RPM'S SLIDE F/5225' TO 5232', 5236' TO 5260', 5277' TO 5302', 5308' TO 5328', 5339' TO 5364' {66%}
	23:30 - 00:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON BATTERY MAINTENANCE {JSA #49} MAN

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/5/2010	00:00 - 00:15	0.25	D	18		WINCH USE & JSA #44, 90 FT MOUSE HOLE CONNECTIONS & JSA #76, #74 & #59
	00:15 - 02:45	2.50	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/5378' TO 5431' @ 400 GPM, 1000 PSI 45 RPM'S SLIDE F/5378' - 5395', 5401' TO 5426' {79%}
	02:45 - 03:00	0.25	D	06		RIG SERVICE {FUNCTION TEST LOWER PIPE RAM'S}
	03:00 - 04:30	1.50	D	05		ACCUMULATED CONNECTIONS & SURVEY TIME
	04:30 - 06:00	1.50	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/5431' TO 5488' @400 GPM, 1000 PSI & 45 RPM'S SLIDE F/5431' TO 5457', 5463' TO 5488' {89%}
1/6/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 12:00	5.75	D	03		DIRECTIONAL DRILL F/ 5488' TO 5619'. 400 GPM AT 1000 PSI SLIDE (5493' TO 5584', 5597' TO 5619'.) 78.6%
	12:00 - 12:15	0.25	D	06		LUBRICATE RIG SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	12:15 - 17:30	5.25	D	03		DIRECTIONAL DRILL F/ 5619' TO 5750'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/5619' TO 5638', 5653' TO 5672', 5686' TO 5707', 5715' TO 5739'
	17:30 - 18:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING DISCUSSED JSA # 55 & #4 {TRIPPING OUT} DISCUSSED JSA #3 {TONG USE} DISCUSSED JSA #55 & #4 {PULLING SLIPS}
	18:15 - 19:00	0.75	D	03		DIRECTIONAL DRILL SLIDE F/5745' TO 5754'. 400 GPM AT 1000 PSI & 45 RPM'S
	19:00 - 19:45	0.75	D	08		CIRCULATE & CONDITION HOLE CLEAN FOR TRIP. BIT AND MOTOR ARE NOT BUILDING AS PLANNED
	19:45 - 22:00	2.25	D	04		POOH - FLOW CHECK @5760', 5342', 2716', 1024' {NORMAL DRAG}
	22:00 - 23:45	1.75	D	05		CHANGE OUT BIT, TURN MUD MOTOR FROM 1.83 TO 2.12, CHANGE OUT ONE BATTERY IN MWD, ORIENT TOOL FACE
	23:45 - 00:00	0.25	D	06		RIG SERVICE {FUNCTION BLIND RAM'S}
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON WORKING ON MONKEY BOARD {REVIEWED JSA #22} PIPE SPINNER USE {JSA #47} TRIPPING PIPE {JSA#1}
	00:15 - 01:30	1.25	D	04		RIH F/SURFACE TO 5745'
	01:30 - 02:00	0.50	D	08		FILL PIPE
1/7/2010	02:00 - 06:00	4.00	D	03		DIRECTIONAL DRILL F/5745' TO 5830'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/5745' TO 5764', 5776' TO 5791', 5807 TO 5823' {59%}
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 14:45	8.50	D	03		DIRECTIONAL DRILL 5830' TO 6000'. 400GPM AT 1000 PSI 45 RPM SLIDE 5839 TO 5859', 5870 TO 5890', 5901 TO 5921', 5933 TO 5948', 5965 TO 5975', 5997 TO 6000'. (67.6%)
	14:45 - 15:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, AND DRAWWORKS
	15:00 - 17:30	2.50	D	03		DIRECTIONAL DRILL 6000' - 6070'. 400GPM AT 1000 PSI 45 RPM SLIDE 6000 TO 6012', 6029 TO 6044'. (38.6%)
	17:30 - 18:00	0.50	D	05		SURVEY AND CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING REVIEWED JSA #19
						DRIVING TO AND FROM LOCATION. RREVIEWED JSA #35 MIXING CAUSTIC. REVIEWED JSA #37 USE OF STINGER
	18:15 - 23:15	5.00	D	03		DIRECTIONAL DRILL F/6070' TO 6168'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/6070' TO 6078', 6092' TO 6107', 6123' TO 6138', 6153'

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/7/2010	18:15 - 23:15	5.00	D	03		TO 6168'
	23:15 - 23:45	0.50	D	05		ACCUMULATED SURVEY & CONNECTION TIMES
	23:45 - 00:00	0.25	D	06		RIG SERVICE {FUNCTION UPPER PIPE RAM'S}
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON OPERATING SKATE REVIEWED JSA # 38
1/8/2010						REVIEWED JSA #44 ON USE OF MAN WINCH, REVIEWED JSA # 74 & #76 ON 90' MOUSEHOLE CONNECTIONS
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILL F/6168' TO 6260'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/6184' TO 6198', 6215' TO 6230', 6246' TO 6257' {43%}
	05:30 - 05:45	0.25	D	05		ACCUMULATED CONNECTION & SURVEY TIMES
	05:45 - 06:00	0.25	D	06		RIG SERVICE {FUNCTION ANNULAR}
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING RELEASE TRAPPED TORQUE, UNLOADING TUBULARS, HOUSEKEEPING, 90', MOUSE HOLE CONNECTIONS
	06:15 - 11:30	5.25	D	03		DIRECTIONAL DRILL 6257' TO 6368' 400 GPM AT 1000 PSI 47 RPM SLIDE 6279 TO 6291', 6310 TO 6320', 6341 TO 6349'. (27% SLIDE)
	11:30 - 11:45	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL, DRAWWORKS, FUNCTION HCR, 2 SEC TO OPEN
	11:45 - 17:30	5.75	D	03		DIRECTIONAL DRILL 6368' TO 6480'. 400 GPM AT 1000 PSI 45 RPM, 500 GPM AT 1480 PSI. SLIDE 6371 TO 6382', 6402 TO 6414'. 6433 TO 6441'. {28% SLIDE}
	17:30 - 18:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED SAFETY ALERT ON COLD WEATHER CONDITIONS. REVIEWED JSA #83 MIXING ON MUD TANKS. REVIEWED JSA #70 ON DE-ICEING MATTING.
						REVIEWED JSA #61 SETTING CROWN SAVER.
	18:15 - 21:15	3.00	D	03		DIRECTIONAL DRILL F/6480' TO 6557' {100% ROTATION} 500 GPM AT 1500 PSI & 127 RPM'S
	21:15 - 21:30	0.25	D	06		LUBRICATE RIG {FUNCTION UPPER PIPE RAM'S}
	21:30 - 22:00	0.50	D	18		ACCUMULATED SURVEY & CONNECTION TIMES
	22:00 - 00:00	2.00	D	03		DIRECTIONAL DRILL F/6557' TO 6613' {100% ROTATION} 500 GPM AT 1500 PSI & 127 RPM'S
	00:00 - 00:15	0.25	D	18		SAFETY MEETING REVIEWED JSA # 4 & #43 ON SETTING & PULLING SLIPS. REVIEWED JSA # 32 INSPECTING TOP DRIVE.
	00:15 - 01:30	1.25	D	03		REVIEWED JSA #91 WORKING ON PUMPS.
1/9/2010						DIRECTIONAL DRILL F/6613' TO 6650' {100% ROTATION} 500 GPM AT 1500 PSI & 127 RPM'S
	01:30 - 01:45	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIMES
	01:45 - 02:00	0.25	D	06		LUBRICATE RIG {FUNCTION LOWER PIPE RAM'S}
	02:00 - 06:00	4.00	D	03		DIRECTIONAL DRILL F/6613' TO 6725'. 500 GPM AT 1500 PSI & 127 RPM'S SLIDE F/6651' TO 6663', 6681' TO 6691', 6713' TO 6723' {45% SLIDING} {55% ROTATION}
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 11:15	5.00	D	03		DIRECTIONAL DRILL 6725' TO 6841' 500 GPM FOR 1500 PSI 45 RPM SLIDE 6745 TO 6757', 6777 TO 6787', 6808 TO 6816', (18.6%)
	11:15 - 11:30	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, DRAWWORKS AND SWIVEL, FUNCTION UPR 6 SEC TO CLOSE.
	11:30 - 17:30	6.00	D	03		DIRECTIONAL DRILL 6841' TO 6965 500 GPM AT 1500 PSI AND 45 RPM. SLIDE 6841 TO 6851', 6934 TO 6949'. (20.2%) LOOSING ABOUT 30 BBL/HR
	17:30 - 18:00	0.50	D	04		ACCUMULATED SURVEY AND CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED JSA #18 ON SETTING BRAKES, REVIEWED JSA #38 ON OPERATING SKATE,

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/9/2010	18:00 - 18:15	0.25	D	18		REVIEWED JSA #75 ON RELEASE TRAPPED TORQUE
	18:15 - 21:45	3.50	D	03		DIRECTIONAL DRILL F/6965' TO 7026' 500 GPM AT 1500 PSI AND 45 RPM'S. SLIDE F/6965' TO 6977', 6996' TO 7013'. {48% SLIDE}
	21:45 - 22:00	0.25	D	06		LUBRICATE RIG {FUNCTION ANNULAR}
	22:00 - 22:30	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIMES
	22:30 - 00:00	1.50	D	03		DIRECTIONAL DRILL F/7026' TO 7061' 500 GPM AT 1500 PSI AND 45 RPM'S. SLIDE F/7027' TO 7046' {57% SLIDE}
	00:00 - 00:15	0.25	D	18		SAFETY MEETING - REVIEWED JSA #77 ON LOCK OUT/TAG OUT, REVIEWED JSA #4 ON PULLING SLIPS, REVIEWED JSA #90 ON 90' MOUSE HOLE CONNECTIONS, REVIEWED JSA #2 & #45 ON TRIPPING, REVIEWED JSA #3 ON TONGS.
	00:15 - 01:00	0.75	D	08		CIRCULATE & CONDITION FOR TRIP {BHA FAILED TO BUILD ANGLE}
	01:00 - 04:30	3.50	D	04		POOH FROM 7061' TO SURFACE {BREAK BIT & LAYDOWN M.M., PICKUP AND MAKEUP NEW STABILIZED M.M & SMITH FH28 BIT #7, SERIAL #PK0404}
	04:30 - 04:45	0.25	D	06		LUBRICATE RIG {FUNCTION BLIND RAM'S}
	04:45 - 06:00	1.25	D	05		RIH TURN MUD MOTOR TO 2.12, CHANGE OUT ONE BATTERY IN MWD, ORIENT TOOL FACE
1/10/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING TRIP IN AND INSTALL PIPE SCREEN AT BOARD
	06:15 - 10:00	3.75	D	04		READJUST THE MUD MOTOR TO 1.83 AND RE ALIGN THE MWD. RIH, FILL AT 3800', RIH, FILL AND BREAK CIRCULATION AT 4650'. RIH TO 5719'. PU DRAG WAS 70K OVER WITH NEW BHA.
	10:00 - 12:30	2.50	D	07		WASH AND REAM NEW BHA IN HOLE. 5719 TO 6160'. DP PRESSURED UP WOULD NOT BLEED OFF. PIPE FREE TO RECIPITATE AND ROTATE. APPEARS TO BE MOTOR FAILURE
	12:30 - 14:30	2.00	DT	62		POOH WET TO 4585'. PIPE STILL PLUGGED. FLOW CHECK.
	14:30 - 14:45	0.25	DT	62		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	14:45 - 17:00	2.25	DT	62		POOH WET, F/4585 TO DIRECTIONAL TOOLS, FLOW CHECK, POOH TO SURFACE
	17:00 - 18:00	1.00	DT	62		BREAK BIT, LAYDOWN M.M. AND MONEL DRILL COLLARS {NOTE: MUD MOTOR UNSCREWED BELOW STABILIZER, STATTER CATCHER}
	18:00 - 18:15	0.25	DT	62		CREW CHANGE & SAFETY MEETING, REVIEWED JSA #9 ON PICKING UP DRILL COLLARS
	18:15 - 22:00	3.75	DT	62		STRAP AND PICKUP NEW BHA - RIH WITH BIT, BIT SUB W/FLOAT, 1 X DC, TBR, 2 X DC, TBR, HWDP TO 5219'
	22:00 - 00:00	2.00	DT	62		WASH & REAM F/5219' TO 6300' {NOTE: EASY REAMING} 45 RPM'S AND 500 GPM WITH 1000 PSI. 6000 TORQUE, 5K TO 10K WOB
1/11/2010	00:00 - 00:15	0.25	DT	62		SAFETY MEETING, REVIEWED JSA #4 & #43 ON PULLING SLIPS, REVIEWED JSA #75 ON RELEASING TRAPPED PRESSURE, REVIEWED JSA #22 ON WORKING MONKEY BOARD
	00:15 - 02:30	2.25	DT	62		WASH & REAM F/6300' TO 7061' {NOTE: TORQUE INCREASED FROM AVERAGE 6000 TO 8500 WITH SPIKES OF 12000} 50 RPMS AND 500 GPM WITH 1000 PSI. 5K TO 10K WOB. OBSERVED LITTLE CUTTINGS ACROSS SHAKER SCREENS
	02:30 - 03:45	1.25	DT	62		PUMP 30 BBL SWEEP. CIRCULATE HOLE CLEAN
	03:45 - 06:00	2.25	DT	62		POOH F/7061' TO 300'. FLOW CHECK @6646', 3451' & 1002'
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 08:45	2.50	D	04		PICK UP MOTOR, BIT AND MWD. ORIENT AND PROGRAM MWD. PU BHA AND RIH, FILL PIPE AND FLOW CHECK AT 2891'. RIH TO
	08:45 - 11:45	3.00	D	04		

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/11/2010	08:45 - 11:45	3.00	D	04		6193'.
	11:45 - 13:00	1.25	D	07		WASH DOWN 6931 TO 7061'. HAD TO ORIENT MOTOR TO REAM PAST 7014'. 2ND PASS GOOD.
	13:00 - 16:30	3.50	D	03		DIRECTIONAL DRILL 7061 TO 7119'. 500 GPM AT 1500 PSI 45 RPM WHILE ROTATING. SLIDE 7064 TO 7079', 7088 TO 7098'.
	16:30 - 16:45	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	16:45 - 17:00	0.25	D	18		BOP DRILL, 50 SEC TO SECURE WELL.
	17:00 - 17:45	0.75	D	03		DIRECTIONAL DRILL F/ 7119 TO 7151' 500 GPM AT 1550 PSI AND 45 RPM WHILE ROTATING. SLIDE 7119' TO 7134'.
	17:45 - 18:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED JSA #76 ON MAKING 90' CONNECTIONS, REVIEWED JSA #44 ON MAN WINCH OPERATION, REVIEWED JSA # 71 ON CLEANING BELLY PAN {BOP DRILL}
	18:15 - 22:00	3.75	D	03		DIRECTIONAL DRILL F/7151' TO 7211' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7151' TO 7165'
	22:00 - 22:15	0.25	D	06		LUBRICATE RIG {FUNCTION ANNULAR 24 SECONDS TO CLOSE}
	22:15 - 22:45	0.50	D	05		BOP DRILL
	22:45 - 00:00	1.25	D	03		ACCUMULATED SURVEY AND CONNECTION TIMES
	00:00 - 00:15	0.25	D	18		DIRECTIONAL DRILL F/7211' TO 7235' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7213' TO 7227'
	00:15 - 03:30	3.25	D	03		SAFETY MEETING AND REVIEWED JSA #37 ON USE OF STINGER, REVIEWED JSA #83 ON MIXING ON MUD TANKS
	03:30 - 04:00	0.50	D	05		DIRECTIONAL DRILL F/7235' TO 7306' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7244' TO 7263', 7276' TO 7295' {54%}
	04:00 - 04:15	0.25	D	06		ACCUMULATED SURVEY AND CONNECTION TIMES
	04:15 - 06:00	1.75	D	03		LUBRICATE RIG {FUNCTION UPPER PIPE RAMS 7 SECONDS}
1/12/2010	06:00 - 06:15	0.25	D	18		DIRECTIONAL DRILL F/7306' TO 7340' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7308 TO 7328 (59%)
	06:15 - 12:00	5.75	D	03		CREW CHANGE AND SAFETY MEETING 90' MOUSE HOLE CONNECTIONS
	12:00 - 12:45	0.75	D	08		DIRECTIONAL DRILL F/ 7340' TO 7436'. 500 GPM AT 1550 PSI 45 RPM WHILE ROTATING. SLIDE 7340 TO 7364', 7370' TO 7395', 7401 TO 7436'. (82.3%)
	12:45 - 13:00	0.25	D	06		PUMP 10 BBL LCM SWEEP AND CIRCULATE BOTTOMS UP FOR TRIP.
	13:00 - 16:00	3.00	D	04		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	16:00 - 17:15	1.25	D	04		POOH, FLOW CHECK AT 7401', 7020', 5945', 4630', AT BHA
	17:15 - 18:00	0.75	D	18		CHANGE BITS, BEND MOTOR TO 2.12. REORIENT MWD
	18:00 - 18:15	0.25	D	18		REPAIR RIG {REPLACE KELLY HOSE SAFETY CABLE}
	18:15 - 21:30	3.25	D	04		CREW CHANGE & SAFETY MEETING REVIEWED JSA #1 ON TRIPPING PIPE, REVIEWED JSA#47 ON PIPE SPINNERS, REVIEWED JSA#43 & #4 ON PULLING & SETTING SLIPS
	21:30 - 23:45	2.25	D	03		RIH WITH SMITH 537 BIT #7 to 7436' {WASHED LAST 30' TO BOTTOM}
	23:45 - 00:00	0.25	D	18		DIRECTIONAL DRILL F/7436' TO 7493'. 400 GPM AND 1000 PSI AND 50 RPM'S WHILE ROTATING. SLIDE F/7439' TO 7452', 7463' TO 7476' {46% SLIDING}
	00:00 - 00:15	0.25	D	18		ACCUMULATED CONNECTION & SURVEY TIME
						SAFETY MEETING AND REVIEWED JSA #7 ON PICKING UP PIPE IN

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
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Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/12/2010	00:00 - 00:15	0.25	D	18		MOUSE HOLE, REVIEWED JSA #38 ON OPERATING SKATE,
	00:15 - 00:30	0.25	D	06		REVIEWED JSA #6, #59 & #76 ON 90' MOUSE HOLE CONNECTIONS
	00:30 - 05:00	4.50	D	03		LUBRICATE RIG (FUNCTION UPPER PIPE RAM'S, 7 SECONDS) DIRECTIONAL DRILL F/7493' TO 7586'. 400 GPM AND 1000 PSI AND 50 RPM'S WHILE ROTATING. SLIDE F/7495' TO 7508', 7525' TO 7538', 7556' TO 7570' (43% SLIDING)
	05:00 - 05:30	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	05:30 - 06:00	0.50	D	03		DIRECTIONAL DRILL F/7586' TO 7600'. 400 GPM AND 1000 PSI AND 50 RPM'S WHILE ROTATING. SLIDE F/7586' TO 7600' (100% SLIDING)
1/13/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING, STINGER ON LOADER AND 90' MOUSE HOLE CONNECTIONS
	06:15 - 14:45	8.50	D	03		DIRECTIONAL DRILL F/7600' TO 7771'. 400 GPM AT 1100 PSI, 500 GPM AT 1565 PSI AND 45 RPM WHILE ROTATING. SLIDE 7619 TO 7633', 7650 TO 7663', 7681 TO 7994', 7710 TO 7722', 7741 TO 7743' (54.97 %)
	14:45 - 15:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	15:00 - 17:30	2.50	D	03		DIRECTIONAL DRILL F/ 7771' TO 7840'. 500 GPM AT 1550 PSI
	17:30 - 18:00	0.50	D	05		SLIDE 7772 TO 7787', 7803 TO 7818', 7835 TO 7840'. (50.7 %)
	18:00 - 18:15	0.25	D	18		ACCUMULATIVE SURVEY AND CONNECTION TIME
	18:15 - 19:00	0.75	D	03		CREW CHANGE AND SAFETY MEETING, SETTING AND PULLING SLIPS, DRIVING TO AND FROM LOCATION AND WORKING IN MONKEY BOARD.
	19:00 - 19:15	0.25	D	06		DIRECTIONAL DRILL F/7840' TO 7864'. 495 GPM AT 1543 PSI AND 45 RPM WHILE ROTATING.
	19:15 - 19:45	0.50	D	05		SLIDE F/7835' TO 7848' (54.1%).
	19:45 - 00:00	4.25	D	03		LUBRICATE RIG (FUNCTION UPPER PIPE RAM'S, 7 SECONDS). ACCUMULATED CONNECTION & SURVEY TIME.
	00:00 - 00:15	0.25	D	18		DIRECTIONAL DRILL F/ 7864' TO 7969'. 495 GPM @ 1721 PSI. SLIDE F/7865' TO 7877', 7896' TO 7910', 7928' TO 7946' (42.30%) MUD UP AT 8000'.
	00:15 - 04:15	4.00	D	03		SAFETY MEETING, MAN WINCH, CHEMICAL MIXING & BATTERY MAINTENANCE.
	04:15 - 04:30	0.25	D	06		DIRECTIONAL DRILLING F/7969' TO 8050'. 495 GPM AT 1720 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7959' TO 7974', 7990' TO 8004', 8021' TO 8033' (50.61%)
	04:30 - 05:00	0.50	D	05		LUBRICATE RIG (FUNCTION ANNULAR 24 SECONDS).
	05:00 - 06:00	1.00	D	03		ACCUMULATED CONNECTION & SURVEY TIME.
1/14/2010	06:00 - 06:15	0.25	D	18		DIRECTIONAL DRILLING F/8050' TO 8070'. 495 GPM AT 1694 PSI AND 45 RPM WHILE ROTATING. SLIDE F/8051' TO 8059' (40.0%).
	06:15 - 07:45	1.50	D	03		CREW CHANGE AND SAFETY MEETING
	07:45 - 08:00	0.25	D	18		DIRECTIONAL DRILL F/ 8070' TO 8114'. 500 GPM AT 1660 PSI AND 45 RPM WHILE ROTATING. SLIDE 8177 TO 8192',
	08:00 - 15:00	7.00	D	03		PULL ROTATING RUBBER ON STAND OF HEAVIER PIPE.
	15:00 - 15:15	0.25	D	06		DIRECTIONAL DRILL F/ 8114' TO 8240'. 500 GPM AT 1700 PSI AND 45 RPM ROTATING.
	15:15 - 15:45	0.50	D	03		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	15:45 - 16:30	0.75	D	08		DIRECTIONAL DRILL F/ 8240 TO 8245'. 500 GPM AT 1740 PSI AND 45 RPM ROTATING. SLIDE 8240 TO 8245',
	16:30 - 17:30	1.00	D	04		CIRCULATE BOTTOMS UP FOR TRIP, PUMP SLUG TRIP FOR BIT F/ 8245' TO 5220'. FLOW CHECKS AT 8240' AND 7760'

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Legal Well Name: OWL & HAWK 2-31B5
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Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/14/2010	16:30 - 17:30	1.00	D	04		NO FLOW.
	17:30 - 18:00	0.50	D	05		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING, TRIPPING OUT OF HOLE, USE OF TONGS, SETTING AND PULLING SLIPS.
	18:15 - 20:30	2.25	D	04		TRIP FOR BIT F/ 5220' TO BIT. FLOW CHECK AT 4081' AND 970' NO FLOW. CHANGE OUT BIT.
	20:30 - 21:45	1.25	D	05		CHANGE OUT MWD BATTERIES. ORIENT MWD TOOL.
	21:45 - 23:15	1.50	D	04		TRIP IN HOLE W/ DIRECTIONAL TOOLS TO 4918'.
	23:15 - 23:30	0.25	D	04		FILL PIPE.
	23:30 - 00:00	0.50	D	04		TRIP IN HOLE F/ 4918' TO 6409'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING, TRIPPING IN, SPINNER USE AND WORKING AROUND BOP'S.
	00:15 - 01:15	1.00	D	04		TRIP IN HOLE F/ 6409' TO 8245' WASH LAST 3 JOINTS TO BOTTOM.
1/15/2010	01:15 - 05:45	4.50	D	03		DIRECTIONAL DRILL F/8245' TO 8300'. 447 GPM AT 1400 PSI AND 45 RPM ROTATING. SLIDE 8245' TO 8258', 8272' TO 8288'.
	05:45 - 06:00	0.25	D	06		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #53
	06:15 - 09:00	2.75	D	03		DRIVING CREW TRUCK
	09:00 - 09:15	0.25	D	18		DIR. DRILL 8 3/4" HOLE F/ 8300' - 8335' 12.72' / HR. SLIDE F/ 8304' - 8320'
	09:15 - 16:45	7.50	D	03		BOP DRILL WELL SECURE IN 91 SEC'S
	16:45 - 17:00	0.25	D	06		DIR. DRILL F/ 8335' - 8431' 12.8' / HR. SLIDE F/ 8335' - 8431', 8367' - 8387', 8398' - 8415'
	17:00 - 18:00	1.00	D	05		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	18:00 - 18:15	0.25	D	18		ACC. CONNECTION & SURVEY TIME
	18:15 - 23:30	5.25	D	03		CREW CHANGE OUT. SAFETY MEETING JSA #6 MH CONN. W/ DP. DIRECTIONAL DRILL 8 3/4" HOLE F/8431' TO 8510'. DRLD 79' @ 15.04 FPH. SLIDE F/8462' TO 8475', 8492' TO 8505'.
1/16/2010	23:30 - 23:45	0.25	D	06		SERVICE RIG.
	23:45 - 00:00	0.25	D	05		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON HOUSE KEEPING.
	00:15 - 06:00	5.75	D	03		DIRECTIONAL DRILL 8 3/4" HOLE F/8510' TO 8590. DRLD 80' @ 13.91 FPH. SLIDE F/8524' TO 8539', 8555' TO 8572.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING WEEK END
	06:15 - 16:00	9.75	D	03		AWARNNESS
	16:00 - 16:15	0.25	D	06		DIR. DRILL 8 3/4" HOLE F/ 8590' - 8711' 12.41' / HR. SLIDE F/ 8587' - 8601', 8617' - 8632', 8650' - 8665', 8681' - 8695'
	16:15 - 17:00	0.75	D	03		RIG SER. FUNCTION UPPER PIPE RAMS C / O 7 SEC'S
	17:00 - 18:00	1.00	D	05		DIR. DRILL F/ 8711' - 8732' 28' / HR. SLIDE F/ 8712' - 8732'
	18:00 - 18:15	0.25	D	18		ACC. SURVEY & CONNECTION TIME
1/16/2010	18:15 - 20:30	2.25	D	03		CREW CHANGE. SAFETY MEETING ON MIXING CAUSTIC AND TRIPPING OUT.
	20:30 - 21:15	0.75	D	08		DIRECTIONAL DRILLING 8 3/4" F/8732' TO 8755'. SLIDING F/8732' TO 8755' (100%).
	21:15 - 23:45	2.50	D	04		CIRCULATE AND CONDITION MUD. PUMP SWEEP.
	23:45 - 00:00	0.25	D	06		TOOH F/8755' TO 3427'. FLOW CHECKS @ 8740', 8320', 7855', 4528' AND 3427' NO FLOW.
	00:00 - 00:15	0.25	D	18		SERVICE RIG, SERVICE BLOCKS, TOP DRIVE SWIVEL AND DRAW WORKS. FUNCTION ANN. 26 SEC.
	00:15 - 01:30	1.25	D	04		SAFETY MEETING ON TRIPPING OUT AND IN THE HOLE, LAY DOWN MUD MOTOR AND SLIP AND CUTTING.
	01:30 - 03:00	1.50	D	04		TOOH F/3427' TO BIT.
						LAY DOWN MUD MOTOR AND BIT. PICK UP NEW MUD MOTOR

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Start: 10/19/2009
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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/16/2010	01:30 - 03:00	1.50	D	04		AND BIT. OREINT DIRECTIONAL TOOL.
	03:00 - 03:15	0.25	D	06		SERVICE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL AND DRAW WORKS. FUNCTION BLINDS 7 SEC.
	03:15 - 04:45	1.50	D	04		TIH F/DIRECTIONAL TOOLS TO 4707'. FLOW CHECK WHEN BIT WAS OUT OF HOLE AND 4704' NO FLOW.
	04:45 - 05:30	0.75	D	06		SLIP AND CUT DRILL LINE.
	05:30 - 06:00	0.50	D	04		TIH F/4707' TO 5700'.
1/17/2010	06:00 - 06:30	0.50	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #1 TRIPPING IN HOLE
	06:30 - 08:30	2.00	D	04		CONT. RUN IN HOLE F/ 5700' - 8660' WASH LAST STD. TO BTM. 3' FILL
	08:30 - 13:15	4.75	D	03		DIR. DRILL 8 3/4" HOLE F/ 8755' - 8805' 10.52' / HR. HAD 352 UNITS GAS FROM BTMS. UP SLIDE F/ 8757' - 8774', 8777' - 8797' RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	13:15 - 13:30	0.25	D	06		DIR. DRILL F/ 8805' - 8853' 12.8' / HR. BGG 60 - 65 UNITS
	13:30 - 17:15	3.75	D	03		SLIDE F/ 8805' - 8825', 8838' - 8852'
	17:15 - 18:00	0.75	D	05		ACC. SURVEY & CONNECTION TIME CURENTLY HAVE 6 PPB
	18:00 - 18:15	0.25	D	18		SEAL AX WAX IN MUD SYSTEM
	18:15 - 23:00	4.75	D	03		CREW CHANGE & HAND OVER. SAFETY MEETING ON WEEKEND AWARENESS AND WORK ON PUMPS.
	23:00 - 23:15	0.25	D	06		DIRECTIONAL DRILL 8 3/4" HOLE F/8853' TO 8924'. DRLD 71' @ 14.95 FPH. SLIDE F/8900' TO 8909' (13%).
	23:15 - 00:00	0.75	DT	18		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE AND SWIVEL. FUNCTION PASON CHOKE.
	00:00 - 00:15	0.25	D	18		RIG REPAIRS. WORK ON #1 AND #2 PUMPS SUCTION PLUGGED.
	00:15 - 01:00	0.75	D	03		SAFETY MEETING ON TRIPPING OUT AND MAKING UP PIPE.
	01:00 - 01:15	0.25	D	06		DIRECTIONAL DRILL 8 3/4" HOLE F/8924' TO 8932' DRLD 8' @ 10.67 FPH.
	01:15 - 02:15	1.00	D	04		SERVICE TOP DRIVE GRABBER. FUNCTION HCR 2 SECONDS.
	02:15 - 05:30	3.25	D	03		MAKE TWO WIPPER TRIPS F/8932' TO 8622'.
1/18/2010	05:30 - 05:45	0.25	D	09		DIRECTIONAL DRILL 8 3/4" HOLE F/ 8932' TO 8988' DRLD 56' @ 17.22 FPH. SLIDE F/8932' TO 8938' (11%).
	05:45 - 06:00	0.25	D	05		BOP DRILL WELL SECURE ALL MEN IN PLACE IN 45 SECONDS.
	06:00 - 06:15	0.25	D	18		ACCUMULATED SURVEYS AND CONNECTION TIME.
	06:15 - 12:15	6.00	D	03		HAND OVER & PRETOUR SAFETY MEETING JSA #7 STINGER USE
	12:15 - 12:30	0.25	D	06		DIR. DRILL 8 3/4" HOLE F/ 8988' - 9086' 16.33' / HR. BGG 70 UNITS
	12:30 - 17:00	4.50	D	03		CONNECTION GAS 233 UNITS SLIDE F/ 9026' - 9037', 9058' - 9070'
	17:00 - 18:00	1.00	D	05		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	18:00 - 18:15	0.25	D	18		DIR. DRILL F/ 9086' - 9172'. DRLD 86' @ 19.11 FPH. SLIDE F/9121' TO 9133' (SLIDE 12' 14%).
	18:15 - 23:30	5.25	D	03		ACC. SURVEYS AND CONECTION TIME.
	23:30 - 23:45	0.25	D	06		CREW CHANGE. SAFETY MEETING ON TOP DRIVE CONN. W/3 JOINTS OF PIPE.
	23:45 - 00:00	0.25	D	05		DIRECTIONAL DRILLING 8 3/4" HOLE F/9172' TO 9278'. DRLD 106' @ 20.19 FPH. SLIDE F/9246' TO 9253' (SLIDE 7' 6%).
	00:00 - 00:15	0.25	D	18		LUBRICATE RIG BLOCKS TOP DRIVE SWIVEL DRAW WORKS.
	00:15 - 05:30	5.25	D	03		FUNCTION ANN. 26 SEC.



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Legal Well Name: OWL & HAWK 2-31B5
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Start: 10/19/2009
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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/18/2010	05:30 - 05:45	0.25	D	06		LUBRICATE RIG. FUNCTION PASON CHOKE.
	05:45 - 06:00	0.25	D	05		ACC. SURVEYS AND CONNECTION TIME.
1/19/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #70 DI - ICEING MATTING
	06:15 - 11:00	4.75	D	03		DIR. DRILL 8 3/4" HOLE F/9365' - 9465' 21.05' / HR. SLIDE F/9410' - 9417', 9437' - 9442' BGG 53 UNITS CONN. GAS 1218 UNITS 70 - 75K OVER PULL ON CONNECTIONS ROTARY TORQUE 13 - 15K
	11:00 - 11:15	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C / O 23 SEC'S
	11:15 - 12:45	1.50	D	03		DIR. DRILL F/9465' - 9498' 14.66' / HR. BGG 128 UNITS CONN. GAS 656 UNITS
	12:45 - 13:30	0.75	DT	64		ATTEMPT TO SURVEY AT 9498 EM TOOL STOPPED TRANSMITTING RERUN SURVEYS AT 9468' AND 9438' NO SUCCESS RUN BACK TO BTM.
	13:30 - 14:15	0.75	DT	64		CIRC. BTMS. UP
	14:15 - 17:45	3.50	DT	64		POH F/9498' UP 9255' 93 - 106K OVERPULL CONT. POH TAKE REQUIRED FLOW CK'S
	17:45 - 18:00	0.25	D	05		ACC. SURVEY TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TRIPPING OUT AND IN, PULLING AND SETTING SLIPS, WORKING BOARD AND HANDLING BHA.
	18:15 - 19:30	1.25	D	04		TOOH F/2000' TO DIRECTIONAL TOOLS. FLOW CHECK @ 973' NO FLOW, ON BANK WITH BIT.
	19:30 - 21:00	1.50	D	04		BREAK DOWN MWD TOOL CHANGE OUT TRANSMITTER, BREAK BIT, MAKE UP NEW BIT.
	21:00 - 22:45	1.75	D	04		TIH F/BIT TO 4680'. FLOW CHECKS @ BANK & 4680' NO FLOW.
	22:45 - 23:00	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE & FUNCTION BLINDS 7 SEC.
	23:00 - 00:00	1.00	D	04		TIH F/4680' TO 7700'. FLOW CHECK @ 7700' NO FLOW. FILL PIPE @ 7700'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING REVIEWED JSA 3'S 1,3,4,25 & 63.
	00:15 - 01:00	0.75	D	04		TRIP IN HOLE F/7700' TO 9125'.
	01:00 - 02:00	1.00	D	07		WASH F/9125' TO 9498' (BOTTOM).
	02:00 - 02:15	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL. FUNCTION PASON CHOKE.
1/20/2010	02:15 - 06:00	3.75	D	03		DIR. DRILL 8 3/4" HOLE F/9498' TO 9562'. DRLD 64' @ 17.06 FPH.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #89 GREASING CROWN & BLOCKS
	06:15 - 13:15	7.00	D	03		DIR. DRILL 8 3/4" HOLE F/9562' - 9654' 13.14' / HR. BGG 150 UNITS CONN. GAS 358 UNITS SLIDE F/9562' - 9573', 9594' - 9604'
	13:15 - 13:30	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	13:30 - 17:15	3.75	D	03		DIR. DRILL F/9654' - 9710' 14.93' / HR. BGG 164 UNITS CONN. GAS 268 UNITS SLIDE F/9656' - 9663'
	17:15 - 18:00	0.75	D	18		ACC. CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON DE-ICING MATTING.
	18:15 - 20:45	2.50	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9710' TO 9751'. DRLD 41' @ 16.4 FPH. CONN. GAS 337 UNITS. SLIDE F/9719' TO 9726' (17%).
	20:45 - 21:00	0.25	D	06		LUBRICATE RIG. SERVICE DRAWWORKS, TOP DRIVE ROTORY TABLE & FUNCTION UPR 7 SEC.
	21:00 - 23:45	2.75	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9751' TO 9783'. DRLD 32' @ 11.64 FPH. CONNECTION GAS 337 UNITS. SLIDE F/9751' TO 9760' (28%).

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/20/2010	23:45 - 00:00	0.25	D	18		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON WORKING ON PUMPS & LOCK OUT AND TAG OUT.
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9783' TO 9845'. DRLD 62' @ 11.80 FPH. CONNECTION GAS 318 UNITS. SLIDE F/9782' TO 9791' & 9814' TO 9824' (31%).
1/21/2010	05:30 - 05:45	0.25	D	06		LUBERCATE RIG. FUNCTION PASON CHOKE.
	05:45 - 06:00	0.25	D	18		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRE TOUR SAFETY MEETING JSA #19 DRIVING TO & FROM WORK
	06:15 - 13:15	7.00	D	03		DIR. DRILL 8 3/4" HOLE F/9845' - 9939' 13.42' / HR. SLIDE F/9877' - 9889', 9908' - 9921' BGG 350 - 360 UNITS CONN. GAS 1375 UNITS
	13:15 - 13:30	0.25	D	06		RIG SER. FUNCTION HCR VALVE O / C 3 SEC'S
	13:30 - 17:30	4.00	D	03		DIR. DRILL F/9939' - 9985' 11.5' / HR. SLIDE F/9940' - 9952', 9973' - 9985' BGG 283 UNITS
	17:30 - 18:00	0.50	D	05		ACC. CONNECTION & SURVEY TIME STRG. WT 238K STRG. WT. UP 360K STRG. WT. DN. 190K STRG. WT. ROTATING UP 320K
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON SAFETY STAND DOWN, MH CONN. & DRIVING CREW TRUCK.
	18:15 - 21:45	3.50	D	03		DIRECTIONAL DRILL F/9985' TO 10,035'. DRLD 50' @ 14.28 FPH. SLIDE F/10,005' TO 10,020' (30%).
	21:45 - 22:00	0.25	D	06		LUBRICATE RIG. SERVICE TOP DRIVE, BLOCK SWIVEL, DRAW WORKS & FUNCTION HCR FOR 2 SECONDS.
	22:00 - 23:45	1.75	D	03		DIRECTIONAL DRILL F/10,035' TO 10,061'. DRLD 26' @ 14.85 FPH. SLIDE F/10,035' TO 10,049' (54%).
	23:45 - 00:00	0.25	D	05		ACC. SURVEYS & CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON DRIVING TO AND FROM LOCATION & MAKE UP CONN.
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILL F/10,061' TO 10,129'. DRLD 68' @ 12.95 FPH. SLIDE F/10,066' TO 10,080' & 10,098' TO 10,113' (43%).
1/22/2010	05:30 - 05:45	0.25	D	06		LUBRICATE RIG. FUNC. UPR.7 SEC.
	05:45 - 06:00	0.25	D	05		ACC. CONNECTION & SURVEY TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #37 USE OF STINGER ON LOADER
	06:15 - 13:45	7.50	D	03		DIR. DRILL 8 3/4" HOLE F/ 10129' - 10195' CASG. PT. 8.8' / HR. BGG 135 UNITS CONN. GAS 1020 UNITS SLIDE F/ 10129' - 10144', 10161' - 10169'
	13:45 - 14:30	0.75	D	08		CIRC. BTMS. UP ADD 5 SX COURSE DRILL BEADS WHILE CIRC. BTMS. UP
	14:30 - 17:45	3.25	D	04		POH STRAP OUT HAD 119 - 150K OVER PULL FOR FIRST 3 STD'S PULL UP TO 7764' PUMP TRIP PILL CONT. POH TAKE REQUIRED FLOW CK'S @ 9949' & 7653'.
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG. FUNC. UPR 7 SEC.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TRIPPING OUT & IN, USE OF TONGS, PIPE SPINNER, WORKING AT BOARD, HANDLING BHA LD MOTOR WITH TD OPERATING SKATE.
	18:15 - 20:45	2.50	D	04		POOH F/3985' TO DIRECTIONAL TOOLS. FLOW CHECK. BHA ON THE BANK.
	20:45 - 21:30	0.75	D	05		LAY DOWN DIRECTIONAL TOOLS.
	21:30 - 21:45	0.25	D	06		LUBERCATE RIG. ADJUST BRAKES, SERVICE DRAW WORKS & FUNC. BLIND RAMS 7 SEC.

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Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/22/2010	21:45 - 00:00	2.25	D	04		PU BHA #15. TIH TO 3190'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING TRIPPING IN, INSTALLING SCREEN @ BOARD & RELEASING TRAPPED TORQUE.
	00:15 - 02:00	1.75	D	04		TIH F/3190' TO 7965'. FLOW CHECK @ 3190' & 7965' NO FLOW.
	02:00 - 05:15	3.25	D	07		REAM DOG LEGS F/7965' TO 9003'.
	05:15 - 05:30	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL & FUNC. TRP 7 SEC.
1/23/2010	05:30 - 06:00	0.50	D	07		REAM DOG LEGS F/9003' TO 9095'.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #76 MAKING 90' MOUSE HOLE CONNECTIONS
	06:15 - 10:45	4.50	D	07		CONT. WASHING & REAMING F/ 9190' - 10195' REAM EACH STD. TWICE BEFORE MAKING CONNECTION
	10:45 - 13:15	2.50	D	08		CIRC. COND. MUD & HOLE ADDED 10 SX DRILL BEADS AT 5 MIN. / SX THRU PILL TANK CONTINUALLY WORKING & ROTATING DP TO DETERMINE WHERE TORQUE & HOLE DRAG DECREASED AS PILL CAME UP HOLE CIRCULATED DRILL BEADS BACK TO SURFACE WITH NO NOTICEABLE DECREASE IN TORQUE OR DRAG MIX 10 SX DRILL BEADS IN 35 BBLs DRLG. MUD SPOTTED F/ 9136' UP 8438' (AREA WITH 9" DOG LEGS)
	13:15 - 17:45	4.50	D	04		POH PUMPED & BACK REAMED F/ 10195' UP TO 9928' PULLED UP TO 380K (135K OVER PULL FOR FIRST 3 STD'S)
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG. FUNC. LPR 7 SEC.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON HANDLING BHA, RU LOGGERS & LOGGING, USE OF SPINNER, TONGS & WORKING BOARD.
	18:15 - 19:30	1.25	D	04		POOH F/400' TO BIT.
	19:30 - 19:45	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL & FUNC. BLINDS 7 SEC.
	19:45 - 00:00	4.25	D	11		RUN OPEN HOLE LOGS W/HALLIBURTON F/ 10190' TO SURFACE. HOLD SAFETY MEETING, R/U LOGGERS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON USE OF TONGS, USE OF SPINNER, PULLING AND SETTING SLIPS, WORKING BOARD, TRIPPING IN, HANDLING BHA & SLIP AND CUT.
	00:15 - 01:15	1.00	D	11		RUN OPEN HOLE LOGS W/HALLIBURTON F/ 10190' TO SURFACE.
	01:15 - 01:45	0.50	D	11		RIG DOWN OPEN HOLE LOGGERS.
	01:45 - 02:00	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE. SWIVEL, DRAW WORKS. FUNC. BLIND RAMS 7 SEC.
1/24/2010	02:00 - 04:00	2.00	D	04		TIH F/BIT TO 4586'. FLOW CHECK ON BANK & 4586' NO FLOW. FILL PIPE AT 4586'.
	04:00 - 04:15	0.25	D	06		LUBRICATE RIG. REPLACE DRILLING LINE CLAMPS ON DRUM.
	04:15 - 05:30	1.25	D	18		SLIP AND CUT DRILL LINE.
	05:30 - 06:00	0.50	D	04		TIH F/4586'
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 07:15	1.00	D	04		CONT. RIH F/ 6286' - 8067'
	07:15 - 08:30	1.25	D	08		CIRC. BTMS. UP HAD 1572 UNITS GAS ON BTMS. UP
	08:30 - 09:15	0.75	D	04		CONT. RIH F/ 8067' - 9971'
	09:15 - 10:00	0.75	D	07		WASH & REAM F/ 9971' - 10195' NO NOTICEABLE FILL ON BTM. 16 - 20K TORQUE WHILE CLEANING TO BTM.
	10:00 - 11:45	1.75	D	08		CIRC. 2X BTMS. UP HAD 2250 UNITS GAS ON BTMS. UP BGG 97 UNITS
	11:45 - 13:00	1.25	D	08		PULL 5 STD'S DP FLOW CK. MIX 10 SX DRILL BEADS IN 35 BBLs. DRLG. MUD SPOT PILL F/ 9136' UP TO 8438' (AREA WITH 9" DOG LEGS)

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Event Name: DRILLING
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Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/24/2010	13:00 - 01:30	12.50	D	04		POH LAYING DOWN DP AND BHA.
	01:30 - 02:30	1.00	D	18		PULL WEAR BUSHING.
	02:30 - 02:45	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS TOP DRIVE SKATE
	02:45 - 04:30	1.75	D	18		DROWWORKS. FUNC. BLINDS 7 SEC.
	04:30 - 06:00	1.50	D	12		HOLD SAFETY MEETING. R/U TESCO.
1/25/2010	06:00 - 06:15	0.25	D	12		RUNNING P-110 8-RD 29.0# CASING.
	06:15 - 18:00	11.75	D	12		HAND OVER & PRETOUR SAFETY MEETING JSA #13 RUNNING CASG.
	18:00 - 18:15	0.25	D	18		CONT. RUNNING 7" CASG. F/ 358' - 7759' FILL CASG. EVERY 20 JTS. ATTEMPT TO CIRC. BTMS. UP AT CASG. SHOE LOST 59 BBLs. DRLG. MUD IN 20 MINS. AFTER BRK'G CIRC. SHUT DOWN PUMP CONT. RUNNING CASG.
	18:15 - 22:30	4.25	D	12		HAND OVER & PRETOUR SAFETY MEETING, RUNNING CASING, SETTING AND PULLING SLIPS, OPERATING SKATE.
	22:30 - 06:00	7.50	D	12		CONT. RUNNING CASING F/ 7759', FILL CASING EVERY 20 JOINTS. RUN AT 60 TO 90 SEC PER JOINT. CHECK PU WEIGHT, 264K AT 7997' W/ 182K HL, 291K AT 8723' W/ 190K HL AND 161 S/O. 338K AT 9581' W/ 195K HL AND 141 S/O. LITTLE OR NO RETURNS RUNNING IN. RAN FLOAT SHOE, #1 JOINT, FLOAT COLLAR AND 250 MORE JOINTS FOR 10,144.73' OF 7" 29# HCP-110 LTC CASING. TORQUE TO 7970 OPTIMUM. THREAD LOCK SHOE #1 JOINT AND FLOAT COLLAR, CENTRILIZERS ON FIRST 3 JOINTS WITH STOP COLLARS AND NEXT 122 JOINTS LOOSE ON THE PIPEBODY. PU JOINT #252. BREAK CIRCULATION, ADD LCM, WORK PIPE AND REGAIN CIRCULATION. LOST APPROXIMATELY 200 BBL. WASH CASING DOWN TO 10175'. NOT ENOUGH HOLE TO USE MANDREL HANGER. PULLED TO 450K TO PULL JOINT FROM HOLE. RIG DOWN TESCO AND PU LONG BALES AND 350 TON ELEVATORS. RU SWEDGE AND CIRCULATE AND WASH ON JOINT. PU UP TO 440K,(300 TO 350 UNTIL IT HANGS UP) S/O 210K TO 180K. COULD NOT WASH BELOW 10175'. RU SCHLUMBERGER HEAD AND CIRCULATE TO CEMENT. MAX GAS WAS 1157 UNITS.
1/26/2010	06:00 - 06:15	0.25	D	14		HAND OVER & PRETOUR SAFETY MEETING JSA 81 CEMENTING/16 NIPPLE UP BOPE.
	06:15 - 07:00	0.75	D	08		RIG IN SCHLUMBERGER PLUG LOADING HEAD & CMT. LINES CONT. CIRC. CASG.
	07:00 - 07:30	0.50	D	15		HOLD SAFETY MEETING BATCH MIX MUD PUSH II
	07:30 - 10:00	2.50	D	14		CMT'D CASG. WITH 20 BBLs. 10.5 # MUD PUSH I I FOLLOWED BY 204 BBLs. 11.0 # EXTENDED LEAD CMT. FOLLOWED BY 104.5 BBLs. 12.5 # INTERMEDIATE CMT. (CMT. VOLUMES BASED ON CALIPER LOG, PLUS 35% EXCESS) DISPLACED CMT. W/ 10 BBLs. FRESH WATER & 367.2 BBLs. PIT WATER GOOD RETURNS THRU OUT CMT'G & DISPLACING OVER DISPLACED BY 1 BBL. DID NOT BUMP PLUG FLOATS HELD OK HAD 10 BBLs. CMT. FOR RETURNS PLUG DOWN @ 0951 HRS. JAN. 25 / 2010 SHOE @ 10169' FC @ 10123'
	10:00 - 11:00	1.00	D	14		RIG OUT SCHLUMBERGER FLUSH BOP STACK
	11:00 - 13:30	2.50	D	10		REMOVE FLOW LINE, KILL & CHOKE LINES FROM BOP STACK PREPARE TO LIFT BOP
	13:30 - 14:00	0.50	D	10		RIG IN BOP HYDRAULIC LIFTING UNIT HOLD OPERATIONAL & SAFETY MEETING
	14:00 - 18:00	4.00	D	09		LIFT BOP INSTALL SLIP & SEAL ASSEMBLY SET SLIPS W/ 200K CUT OFF 7" CASG. & REMOVE 13 5/8 5K X 13 5/8 10K C SECTION

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Event Name: DRILLING
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Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/26/2010	14:00 - 18:00	4.00	D	09		MAKE FINAL CUT & DRESS CASG. INSTALL 13 5/8 5K X 7 1/16 10K TUBING SPOOL & 7 1/16 10K X 13 5/8 10K DSA
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING, NIPPLE UP BOPE.
	18:15 - 04:00	9.75	D	15		RIG DOWN BOP WENCHES, RD CASING ELEVATORS AND BALES. TIGHTENING BOLTS ON STACK AND WELLHEAD, TEST 7" CASING PACK OFF TO 5000 PSI. WELDERS REPAIR PUMP DISCHARGE AND REWELD FLANGE ON FLOWLINE. CHANGE PIPE RAMS TO 4". NIPPLE UP CHOKE LINE TO STACK.
	04:00 - 06:00	2.00	D	09		SAFETY MEETING. TEST CHOKE MANIFOLD TO 10K PSI. PU SUBS AND SINGLE AND TEST PLUG TO TEST STACK AND SURFACE EQUIPMENT.
1/27/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #82 PRESS. TESTING
	06:15 - 18:00	11.75	D	09		FINISH PRESS. TESTING CHOKE MANIFOLD VALVES INSTALL TEST PLUG IN WELL HEAD PRESS. TEST UPPER PIPE RAMS OK UNABLE TO PRESS. TEST BTM. PIPE RAMS GOOD ON LOW TEST BUT WILL NOT HOLD MORE THAN 2K PSI ON HIGH PRESS. TEST ANNULAR TO 250 PSI LOW & 4K HIGH ALL TESTS ON RAMS 250 LOW & 10K HIGH 10 MIN. DURATION PRESS. TEST STABBING VALVE, INSIDE BOP, UPPER & LOWER TOP DRIVE VALVES & MUD LINE BACK TO MUD MANIFOLD TEST PRESS. 250 PSI LOW & 5000 PSI HIGH 10 MIN. DURATION
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #82 PRESS. TESTING
	18:15 - 00:00	5.75	D	09		CHECKED LENGTH OF XO'S BELOW LOWER PIPE RAMS. THEY ARE TOO LONG, WEATHERFORD TO HAVE NEW XO MADE. SET TOP DRIVE DP MAKE UP TO 22K AND ROTATION MAX TO 19K FOR XT-39 CONNECTIONS. TEST 7" CASING TO 2500 PSI FOR 30 MINUTES. TEST 9 5/8" X 13 3/8" ANNULUS. PRESSURED UP TO 500 PSI. BROKE BACK AND NOW WILL BLEED TO ZERO. TEST BLIND RAMS TO 250 LOW. TEST TRUCK BROKE DOWN. PULL TEST PLUG. RECIEVED NEW XO TO TEST LPR.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING PICK UP DP, USE OF SLIPS AND TONGS, SPINNER AND SKATE.
	00:15 - 03:00	2.75	D	04		PU 36 JOINTS 4" SWDP. POOH AND STAND IN DERRICK WHILE WAITING ON TEST UNIT.
	03:00 - 06:00	3.00	D	09		RETURN TO TESTING BOPE. MAKE UP NEW XO ON DP AND TEST PLUG. TEST LOWER PIPE RAMS 250 LOW. AND ATTEMPTING TO TEST TO 10K HIGH. TEST PLUG LEAKING. LEFT TO DO: TEST HCR AND KILL LINE AGAINST THE UPR. TEST BLIND RAMS TO 250 LOW AND 10K HIGH.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING PICKING UP DIRECTIONAL TOOLS
	06:15 - 09:00	2.75	D	09		FINISH PRESS. TESTING BLIND RAMS, BOTH INNER & OUTER CHOKE & KILL LINE VALVES TEST PRESS. 250 PSI LOW & 10K HIGH 10 MIN. DURATION CONDUCT 5 FUNCTION TEST W/ ACCUMULATOR SHUT OFF FINAL ACC. PRESS. 1350 PSI RECHARGE TO 3000 PSI IN 2 MIN. 50 SEC'S
	09:00 - 13:00	4.00	D	04		MAKE UP 6 1/8" ULTERRA 1355 BIT, 4 3/4" WENZEL 7/8 LOBE 2.2 STAGE MOTOR (.56 RPG) SET AT 1.5*
1/28/2010	13:00 - 18:00	5.00	D	04		RIH W/ 36 JTS. 4" SWDP & 4" 14# S 135 XT39 DRILL PIPE (FILL DP EVERY 3000') to 3840'.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING PICKING UP DRILL

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Rig Number:
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Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/28/2010	18:00 - 18:15	0.25	D	18		PIPE
	18:15 - 19:00	0.75	D	04		RIH TO 4900'.
	19:00 - 20:00	1.00	D	09		SCHLUMBERGER RIGGED UP AND PERFORM 13 3/8" X 9 5/8" ANNULUS INJECTION TEST. PUMPED IN 9 BBL FRESH WATER WITH NO PRESSURE. CAUGHT PRESSURE AND PUMPED UP TO 1700 PSI AT 10 BBL. (1 MORE). CONTINUED ATTEMPT TO BREAK DOWN ANNULUS BY BUMPING PRESSURE TO 1900 PSI (70% BURST OF 13 3/8") PUMPED AWAY 1 MORE BBL IN 45 MINUTES. DISCUSSED THIS WITH DENVER AND THEY TALKED TO DENNIS INGRAM OF UTAH DNR. RECIEVED APPROVAL TO CONTINUE DRILLING OPERATIONS. BLEED OFF PRESSURE AND RIG DOWN SCHLUMBERGER.
	20:00 - 20:30	0.50	D	04		CONTINUE TO PU DP, 4900 to 5510'.
	20:30 - 20:45	0.25	D	06		LUBRICATE RIG SERVICE DRAWWORKS, FUNCTION LPR 7 SEC TO CLOSE
	20:45 - 21:15	0.50	DT	60		REPAIR DRILLERS PANEL
	21:15 - 02:45	5.50	D	04		CONTINUE TO RIH, PU DP 5510 TO 10064'. FILL PIPE AT 6742' and 10055'. PUT MORE DP ON RACK AND TALLEY. PU DP. TAG UP AT 10082'.
	02:45 - 04:30	1.75	D	13		CIRCULATE HOLE TO 9.1 PPG MUD AND DRILL CEMENT. FOUND RUBBER PLUG CLOSE TO TOP OF FLOAT COLLAR. PLUG AT 10127', FC AT 10130' AND SHOE AT 10175'. DRILLED 10'.
	04:30 - 05:30	1.00	D	08		CIRCULATE AND CONDITION HOLE FOR FIT AT 10185' MD AND 9531' TVD.
	05:30 - 06:00	0.50	D	09		RIG WEATHERFORD TEST UNIT UP TO FIT. CHECK HOLE FLUID LEVEL. TIE IN AT TUBING HANGER CLOSE PIPE RAMS.
1/29/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:45	0.50	D	09		CONDUCT F I T MUD DENSITY 9.1 PPG ADDED SURFACE PRESS. 2400 PSI EQUALS LEAK OFF GRAD. OF .72 PSI / FT OR 13.94 PPG DRLG. MUD
	06:45 - 09:30	2.75	D	03		DIR. DRILL 6 1/8" HOLE F/ 10195' - 10249' 19.63' / HR. BGG 41 UNITS
	09:30 - 09:45	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C / O 7 SEC'S
	09:45 - 10:15	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	10:15 - 16:00	5.75	D	03		DIR. DRILL F/ 10249' - 10354' 18.26' / HR. BGG 41 UNITS SLIDE F/ 10344' - 10354'
	16:00 - 17:00	1.00	DT	18		PULLED 2 STD'S UP INTO CASG. SHOE SHUT IN & SECURE WELL SCI WELDING WELDED ON HANGING EYES ON CATCH PAN TO ATTACH KATCH CAN SYSTEM RUN IN 2 STD'S TO BTM.
	17:00 - 18:00	1.00	D	03		DIR DRILL 10354' TO 10365' 11'/HR BGG 41 UNITS MW 9.2 PPG
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSE HOLE, OPERATING SKATE, RELEASE TRAPPED TORQUE.
	18:15 - 22:15	4.00	D	03		DIR DRILL 10365' TO 10441'. 19'/HR BGG 38 UNITS MW 9.2 PPG SLIDE 10379 TO 10388'.
	22:15 - 22:30	0.25	D	06		LUBRICATE RIG
	22:30 - 23:45	1.25	D	03		DIR DRILL 10441' TO 10453'. 9.6'/HR MW 9.2 VIS 42 SLIDE 10441 TO 10463'.
	23:45 - 00:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING PULL AND SETTING SLIPS. BOP DRILL(CREW ASSIGNMENTS)
	00:15 - 05:45	5.50	D	03		DIR DRILL 10453' TO 10516'. 11.45'/HR MW 9.3 VIS 42 BGG 39 UNITS SLIDE 10474 TO 10486'. AND 10504 TO 10516'.
	05:45 - 06:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Spud Date: 10/23/2009
Start: 10/19/2009
End:
Rig Release:
Group:
Rig Number:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/30/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSE HOLE CONNECTIONS AND WELDING OPERATIONS
	06:15 - 12:45	6.50	D	03		DIR. DRILL 6 1/8" HOLE F/ 10516' - 10580' 9.84' / HR. SLIDE F/ 10538' - 10550', 10568' - 10580' BGG 43 - 50 UNITS
	12:45 - 13:45	1.00	DT	18		SHUT IN AND SECURE WELL WELD KATCH KAN MOUNTING FLANGE ON RISER BETWEEN ANNULAR PREVENTOR AND ROTATING HEAD
	13:45 - 14:00	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C / O 23 SEC'S
	14:00 - 14:30	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	14:30 - 18:00	3.50	D	03		DIR. DRILL F/ 10580' - 10645' 18.57' / HR. BGG 50 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING WEEKEND SAFETY
	18:15 - 23:30	5.25	D	03		DIR. DRILL F/ 10645' TO 10725' 15.24' / HR. BGG 47 UNITS SLIDE 10696 TO 10710'
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG, FUNCTION LPR 7 SEC TO CLOSE
	23:45 - 00:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
1/31/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING OPERATING SKATE AND SLIPS
	00:15 - 05:45	5.50	D	03		DIR. DRILL F/ 10725' TO 10795' 12.72' / HR. BGG 53 UNITS SLIDE 10729' TO 10741', 10761 TO 10773.
	05:45 - 06:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #38 MAN WINCH USE
	06:15 - 15:00	8.75	D	03		DIR. DRILL 6 1/8" HOLE F/ 10795' - 10917' 13.94' / HR. SLIDE F/ 10857' - 10867', 10887' - 10902' HAD 5437 UNITS CONNECTION GAS F/ 10780' BGG 60 UNITS
	15:00 - 15:15	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C / O 7 SEC'S
	15:15 - 15:45	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	15:45 - 18:00	2.25	D	03		DIR. DRILL F/ 10917' - 10975' 25.78' / HR. CONNÉCTIONMGAS 4666 AND BGG 79 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSEHOLE CONNECTIONS, WORKING ON OR AROUND BOPS
	18:15 - 20:00	1.75	D	03		DIR. DRILL F/ 10975' TO 11014' 22.28' / HR. CONNÉCTION GAS 3333 AND BGG 81 UNITS
2/1/2010	20:00 - 20:15	0.25	D	06		LUBRICATE RIG
	20:15 - 23:30	3.25	D	03		DIR. DRILL F/ 11014' TO 11090' 23.38' / HR. CONNECTION GAS 4187 AND BGG 81 UNITS
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING SETTING AND PULLING SLIPS, ADDING BOILER BRICK
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/ 11090' TO 11190' 19.05' / HR. CONNECTION GAS 2916 AND BGG 66 UNITS
	05:30 - 06:00	0.50	D	05		ACCUMULATIVE SURVEY AND CONNECTION TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #44 DE - ICING MATTING
	06:15 - 10:45	4.50	D	03		DIR. DRILL 6 1/8" HOLE F/ 11190' - 11299' 24.22' / HR. BGG 70 - 79 UNITS CONN. GAS 3020 UNITS
	10:45 - 11:00	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	11:00 - 11:30	0.50	D	05		ACC. SURVEY & CONNECTION TIME
2/1/2010	11:30 - 18:00	6.50	D	03		DIR. DRILL F/ 11299' - 11435' 20.92' / HR. BGG 70 UNITS CONN. GAS 1000 - 1700 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #44 DE - ICING MATTING
	18:15 - 21:00	2.75	D	03		DIR. DRILL F/ 11435' - 11491' 20.36' / HR. BGG 66 UNITS CONN. GAS 1067 UNITS

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Legal Well Name: OWL & HAWK 2-31B5

Common Well Name: OWL & HAWK 2-31B5

Event Name: DRILLING

Contractor Name:

Rig Name:

Start: 10/19/2009

Rig Release:

Rig Number:

Spud Date: 10/23/2009

End:

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/1/2010	21:00 - 21:15	0.25	D	06		LUBRICATE RIG
	21:15 - 23:30	2.25	D	03		DIR. DRILL F/ 11491' - 11540'. 21.78' / HR. BGG 64 UNITS CONN. GAS 1604 UNITS
	23:30 - 00:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ADDING BOILER BRICK, MIXING CAUSTIC, WORKING ON PUMPS
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/ 11540' - 11630. 20.36' / HR. BGG 165 UNITS CONN. GAS 1473 UNITS NOW HAS 2 CONNECTION PEAKS.
2/2/2010	05:30 - 06:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #74 MAKING 90' MOUSE HOLE CONNECTIONS
	06:15 - 12:45	6.50	D	03		DIR. DRILL 61/8" HOLE F/ 11630' - 11777' 22.61' / HR. BGG 90 - 100 UNITS CONNECTION GAS 2310 UNITS
	12:45 - 13:00	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C/O 7 SEC'S
	13:00 - 13:30	0.50	D	05		ACC. SURVEY & CONN. TIME
	13:30 - 18:00	4.50	D	03		DIR. DRILL F/ 11777' - 11863' 19.11' / HR. SLIDE F/ 11812' - 11827' BGG 80 - 90 UNITS CONN. GAS 310 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING SETTING AND PULLING SLIPS MAKING 90' MOUSE HOLE CONNECTIONS
	18:15 - 23:30	5.25	D	03		MIXING ON TANKS DIR. DRILL F/ 11863' - 11969'. 20.19' / HR. BGG 80 4500 UNITS CONN. GAS 5310 UNITS
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG
	23:45 - 00:00	0.25	D	05		ACC. SURVEY & CONN. TIME
2/3/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING SAFETY ALERTS OPERATING SKATE MAN WINCH, WORKING ON PUMPS
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/ 11969' - 12025'. 10.67' / HR. SLIDE 12002 TO 12017'. BGG 450 UNITS CONN. GAS 3500 TO 5500 UNITS
	05:30 - 06:00	0.50	D	05		MW 10 PPG VIS 44 IN AND OUT ACC. SURVEY & CONN. TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING TRIPPING PIPE, USE OF TONGS AND WORKING MONKEY BOARD
	06:15 - 07:45	1.50	D	03		DIR. DRILL 61/8" HOLE F/ 12025' - 12063' 22' / HR. BGG 183 UNITS CONN. GAS 3980 UNITS
	07:45 - 08:00	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C/O 7 SEC'S
	08:00 - 09:00	1.00	D	05		ACC. SURVEY & CONN. TIME
	09:00 - 18:00	9.00	D	03		DIR. DRILL F/ 12063' - 12213'. 16.67'/HR SLIDE 12067 TO 12082'. AND 12198 TO 12213'. BGG 176 UNITS. CONN. GAS 3479 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	18:15 - 23:30	5.25	D	03		DIR. DRILL F/ 12213' - 12273'. 11.43'/HR SLIDE 12259 TO 12273'. BGG 450 UNITS. CONN. GAS 4000 UNITS
2/4/2010	23:30 - 00:00	0.50	D	05		ACC. SURVEY & CONN. TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/ 12273 - 12395'. 23.24'/HR BGG 160 UNITS. CONN. GAS 3229 UNITS
	05:30 - 06:00	0.50	D	05		ACC. SURVEY & CONN. TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING LOCK OUT TAG OUT TRY OUT, 90' MOUSE HOLE CONNECTIONS, OPERATING SKATE
	06:15 - 10:30	4.25	D	03		WORKING AROUND BOPE, MAN WINCH ICE ON MATTING DIR. DRILL F/ 12395' - 12446'. 12.0'/HR SLIDE 12386 TO 12401'. BGG 100 UNITS. CONN. GAS 2800 UNITS
	10:30 - 10:45	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 24 SEC T/ CLOSE
	10:45 - 11:45	1.00	D	05		ACC. SURVEY & CONN. TIME

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name:
Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/4/2010	11:45 - 18:00	6.25	D	03		DIR. DRILL F/ 12446' - 12558'. 12.0'/HR SLIDE 12482 TO 12494' & 12553' TO 12268'. BGG 100 UNITS. CONN. GAS 2800 UNITS.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING.
	18:15 - 00:00	5.75	DT	08		CIRCULATE & CONDITION MUD, TOTAL LOST CIRCULATION, BRING LCM (SAW DUST) CONTENT UP TO 25%.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING. RELEASE TRAPPED TORQUE, WORKING ON PUMPS & WORKING AT MONKEY BOARD.
	00:15 - 00:30	0.25	D	06		LUBRICATE RIG.
	00:30 - 05:45	5.25	D	03		DIR. DRILL F/12558' TO 12607'. 9.3'/HR SLIDE F/12558' TO 12568'.
2/5/2010	06:00 - 06:15	0.25	D	18		BACKGROUND GAS 305 UNITS. CONN GAS 5144 UNITS.
	06:15 - 08:30	2.25	D	03		HAND OVER & PRETOUR SAFETY MEETING LOCK OUT TAG OUT TRY OUT, 90' MOUSE HOLE CONNECTIONS, OPERATING SKATE WORKING AROUND BOPE, MAN WINCH ICE ON MATTING
	08:30 - 09:00	0.50	D	08		DIR. DRILL F/12607' - 12621'. 9.3'/HR SLIDE F/12609' TO 12621'.
	09:00 - 16:00	7.00	D	04		BACKGROUND GAS 100 UNITS. CONN GAS 377 UNITS. SLIDE SLOW AND DIFFICULT. SHUT DOWN DRILLING TO TRIP FOR BIT. CIRCULATE FOR TRIP.
	16:00 - 17:00	1.00	D	04		POOH F/ 12621' FLOW CHECKS AT 12621', 12152', 6300', 1273' AND SURFACE
	17:00 - 17:15	0.25	D	06		LAY DOWN MOTOR AND ONE MONEL.
	17:15 - 18:00	0.75	D	04		LUBRICATE RIG, FUNCTION BLIND RAMS 8 SEC TO CLOSE.
	18:00 - 18:15	0.25	D	18		PU NEW MOTOR, NEW MONEL, NEW SLEEVE ON MOTOR, NEW BIT, 1.5 DEGREE BEND IN MOTOR
	18:15 - 19:15	1.00	D	04		HAND OVER & PRETOUR SAFETY MEETING ON TRIPPING IN, TRIPPING OUT, USE OF TONGS & SETTING AND PULLING SLIPS.
	19:15 - 21:00	1.75	D	04		MAKE UP DIRECTIONAL TOOLS & MWD TOOLS.
	21:00 - 22:30	1.50	D	04		TIH TO 3930'.
	22:30 - 00:00	1.50	DT	04		FILL PIPE. PIPE PRESSURED UP.
	00:00 - 00:15	0.25	D	18		POOH, DERRICK HAND 100% TIED OFF.
	00:15 - 01:00	0.75	DT	04		SAFETY MEETING ON TRIPPING OUT, USE OF TONGS & HANDLING BHA.
2/6/2010	01:00 - 06:00	5.00	DT	04		FINISH POOH.
	06:00 - 06:15	0.25	D	18		BREAK OUT BIT CLEAN OUT LCM PLUGGED OFF. LD MUD MOTOR PLUGGED WITH LCM. CLEAN LCM OUT OF DIRECTIONAL TOOLS.
	06:15 - 12:45	6.50	D	04		HAND OVER & PRETOUR SAFETY MEETING ON TRIPPING IN, USE OF TONGS & SETTING AND PULLING SLIPS, PIPE SPINNER, HANDLING BHA, SLIP AND CUT.
	12:45 - 13:15	0.50	D	06		BEND MOTOR TO 1.5 DEGREE, MU BIT, SET MWD. TRIP IN HOLE.
	13:15 - 15:00	1.75	D	04		FILLING PIPE AT BHA, 4233', 7219', 9809' WITH LCM FREE MUD.
	15:00 - 18:00	3.00	D	04		SLIP AND CUT DRILLING LINE
	18:00 - 18:15	0.25	D	18		CONTINUE RIH 9808 TO
	18:15 - 23:30	5.25	D	03		INSTALL ROTATING RUBBER AND WASH FROM 12103' TO 12621'.
	23:30 - 00:00	0.50	D	05		CREW CHANGE, SAFETY MEETING, INCIDENT REVIEW.
	00:00 - 00:15	0.25	D	18		DIRECTIONAL DRILL F/12621' TO 12668'. SLIDE F/12658' TO 12673' (15').
	00:15 - 00:30	0.25	D	06		ACC. SURVEYS AND CONNECTION TIME.
	00:30 - 05:30	5.00	D	03		SAFETY MEETING.
	05:30 - 06:00	0.50	D	05		LUBRICATE RIG. REPAIR TOP DRIVE ELECTRICAL.
	06:00 - 06:15	0.25	D	18		DIRECTIONAL DRILL F/12668' TO 12800'.
2/7/2010	06:15 - 07:30	1.25	D	03		ACC. SURVEYS AND CONNECTION TIME. BOP DRILL.
						CREW CHANGE, SAFETY MEETING, INCIDENT REVIEW.
						DIRECTIONAL DRILL F/12800' - 12813'. SLIDE 12784' TO 12801' (15'), BGG 6300 UNITS PEAK 7185 UNITS. DIVERTED THROUGH

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
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Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/7/2010	06:15 - 07:30	1.25	D	03		BUSTER WHILE RAISING MW. NO FLARE.
	07:30 - 07:45	0.25	D	06		LUBRICATE RIG/BOP DRILL
	07:45 - 08:45	1.00	D	18		ACC. SURVEYS AND CONNECTION TIME.
	08:45 - 18:00	9.25	D	03		DIRECTIONAL DRILL F/12813' - 12958'. SLIDE 12815' to 12832, (17'), 12850' to 12865', (15'), 12909' TO 12911'. (2'), 12920 TO 12935', (15') BGG 600 UNITS PEAK 7185 UNITS. DIVERTED THROUGH BUSTER WHILE RAISING MW TO 10.6 PPG. OFF BUSTER - BGG 160 UNITS CONN 3916 UNITS. MW10.6 PPG 43 VIS
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING MOUSE HOLE CONN., MIXING ON TANKS & WORKING ON PUMPS.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/12958' TO 13006'. SLIDE F/12977' TO 12987' (10') & F/12989' TO 12994' (5').
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG.
	23:45 - 00:00	0.25	D	18		ACC. SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING OPERATING SKATE.
	00:15 - 05:45	5.50	D	03		DIRECTIONAL DRILL F/13006' TO 13050'. SLIDE F/13007' TO 13022' (15').
2/8/2010	05:45 - 06:00	0.25	D	05		ACC. SURVEYS & CONN. TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING, SET CROWN SAVER, DRIVING TO/FROM LOCATION, MIXING CAUSTIC, STRIPPING OIL/MUD, DE-ICING MATTING..
	06:15 - 11:15	5.00	D	03		DIRECTIONAL DRILL F/13050' TO 13100'. SLIDE F/13041' TO 13057' (16') 13077' to 13095', (18'). BGG 95UNITS, CONN 5180 UNITS MW 10.6 PPG
	11:15 - 11:30	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 23 SEC T/ CLOSE
	11:30 - 12:30	1.00	D	05		ACC. SURVEYS & CONN. TIME.
	12:30 - 18:00	5.50	D	03		DIRECTIONAL DRILL F/13100' - 13197'. SLIDE F/ 13103 TO 13115', (12'), 13178' TO 13195' (17'). BGG 150 UNITS, CONN 5180 UNITS MW 10.6 PPG
	18:00 - 18:15	0.25	D	18		CREW CHANGE, SAFETY MEETING MOUSE HOLE CONNECTIONS, WORKING ON PUMPS AND MIXING ON TANKS.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/13197' TO 13261'.
	23:30 - 00:00	0.50	D	05		ACC. SURVEYS & CONN. TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING.
2/9/2010	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING F/13261' TO 13337'. SLIDE F/13308' TO 13325' (17'). BACKGROUND GAS 116 UNITS, CONNECTION GAS 2658 UNITS.
	05:30 - 06:00	0.50	D	05		ACC. SURVEYS & CONN. TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING USING DERRICK WENCH AND HOUSEKEEPING
	06:15 - 11:00	4.75	D	03		DIRECTIONAL DRILLING F/13337' to 13380'. SLIDE F/13362' TO 13380' (18'). BACKGROUND GAS 100 UNITS, CONNECTION GAS 2750 UNITS.
	11:00 - 11:15	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 24 SEC TO CLOSE.
	11:15 - 18:00	6.75	D	03		DIRECTIONAL DRILLING F/13380' -13440'. SLIDE F/13421' TO 13437' (16'). BACKGROUND GAS 300 UNITS, CONNECTION GAS 4041 UNITS. MW 10.6 VIS 43
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON USE OF TONGS, CONNECTIONS & MIXING TANKS.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/13340' TO 13490'. SLIDE F/13484' TO 13490' (6'). BACKGROUND GAS 140 UNITS. CONNECTION GAS 2578 UNITS.
	23:30 - 23:45	0.25	D	05		ACC. SURVEYS AND CONN.

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Legal Well Name: OWL & HAWK 2-31B5
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Event Name: DRILLING
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Rig Name:

Start: 10/19/2009
Rig Release:
Rig Number:
Spud Date: 10/23/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/9/2010	23:45 - 00:00	0.25	D	08		CIRCULATE WORK PIPE.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING TRIPPING OUT, USE OF TONGS, SETTING AND PULLING SLIPS, WORKING AT MONKEY BOARD, HANDLEING BHA AND PIPE SPINNERS USE.
	00:15 - 01:00	0.75	D	08		CIRCULATE AND CONN. HOLE.
	01:00 - 06:00	5.00	D	04		TOOH FOR BIT & MUD MOTOR. FLOW CHECKS @ 13490, 12579', 11326' & 8721' NO FLOW.
2/10/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING TRIPPING, USE OF TONGS, SETTING AND PULLING SLIPS, WORKING MONKEY BOARD, HANDLING BHA, SPINNERS AND TRIPPING IN
	06:15 - 09:30	3.25	D	04		CONT. TRIP OUT 5450' TO SURFACE. PULL RUBBER AT 5000'. FLOW CHECKS AT 5450', 1146' AND OOH.
	09:30 - 10:30	1.00	D	04		CHECK MOTOR AND LAY DOWN SAME.
	10:30 - 10:45	0.25	D	06		LUBRICATE RIG, FUNCTION BLIND RAMS. 8 SEC TO CLOSE
	10:45 - 14:00	3.25	DT	61		WAIT ON WORD FOR MUD MOTOR REPLACEMENT. MUD MOTOR ON LOCATION CANNOT TAKE A SLEEVE.
	14:00 - 15:00	1.00	D	04		ADJUST BEND IN MOTOR TO 1.83, REALIGN MDW, CLEAN MUD IN A PIT OF LCM TO FILL BHA AND DP ON TRIP IN.
	15:00 - 18:00	3.00	D	04		RIH. FILL PIPE AT TOP OF SWDP 1258', 4285', 7178'.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING TRIPPING, USE OF TONGS, SETTING AND PULLING SLIPS, WORKING AT MONKEY BOARD & USE OF PIPE SPINNERS.
	18:15 - 20:30	2.25	D	04		TIH TO 13190'. DERRICK HAND 100% TIED OFF.
	20:30 - 00:00	3.50	D	07		WASH AND REAM F/13190'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING.
	00:15 - 01:00	0.75	D	07		WASH AND REAM F/13190' TO 13490'.
	01:00 - 05:30	4.50	D	03		DIRECTIONAL DRILL F/13490' TO 13580'. SLIDE F/13490' TO 13498' (8') & 13549' TO 13564' (15'). BACKGROUND GAS 114 UNITS. TRIP GAS 2989 UNITS @ 13490'.
	05:30 - 06:00	0.50	D	05		ACC. SURVEYS AND CONN.
2/11/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING WORKING ON AND AROUND BOARD, PULLING AND SETTING SLIPS, MIXING CAUSTIC, WORKING ON ROOFS.
	06:15 - 13:00	6.75	D	03		DIRECTIONAL DRILL F/13580' - 13674'. SLIDE F/13613' TO 13628' (15') & 13645' TO 13660' (15'). BACKGROUND GAS 125 UNITS. TRIP GAS 885 UNITS.
	13:00 - 13:15	0.25	D	06		LUBRICATE RIG, FUNCTION UPR 7 SEC TO CLOSE.
	13:15 - 14:30	1.25	D	05		ACC. SURVEYS AND CONN.
	14:30 - 18:00	3.50	D	03		DIRECTIONAL DRILL F/13674' - 13740'. SLIDE F/13678' TO 13690' (12') & F/13710' TO 13723' (13'). BACKGROUND GAS 100 UNITS. TRIP GAS 681 UNITS AT 13708'.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING MIXING ON TANKS, PULLING, SETTINGS SLIPS & MAN WINCH USE.
	18:15 - 23:45	5.50	D	03		DIRECTIONAL DRILL F/13740' TO 13776'. SLIDE F/13740' TO 13756' (16').
	23:45 - 00:00	0.25	D	18		ACC. SURVEYS AND CONN.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING F/13776' TO 13805'. SLIDE F/13790' TO 13805' (15'). BACKGROUND GAS 126 UNITS. CONNECTION GAS 804 UNITS.
	05:30 - 05:45	0.25	D	06		LUBRICATE RIG.
	05:45 - 06:00	0.25	D	05		ACC. SURVEYS AND CONN.

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		8. WELL NAME and NUMBER: OWL & HAWK 2-31B5
PHONE NUMBER: 303 291-6417 Ext		9. API NUMBER: 43013341230000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/23/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ATTACHED PLEASE FIND EL PASO SUBSEQUENT DRILLING REPORT FOR SUBJECT WELL		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 19, 2010		
NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A	DATE 4/15/2010	



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/9/2009	10:00 - 13:00	3.00	D	01		MOVE IN & RIG UP PRO PETRO RIG #5
	13:00 - 13:30	0.50	D	01		CALIPHER & MEASURE DC'S & DP PREPARE TO SPUD
	13:30 - 14:00	0.50	D	18		PRESUD SAFETY MEETING
	14:00 - 06:00	16.00	D	03		SPUD & DRILL 17.5" HOLE F/ 40' - 600' SURVEY AT @510' .75* AT 570' WELL STARTED MAKING 10 BPH WATER DRLG. PARAMETERS: 7500# BIT WT. 30 BPH WATER 2420 CFM AIR
11/10/2009	06:00 - 06:15	0.25	D	18		HAND OVER AND PRETOUR SAFETY MEETING
	06:15 - 18:00	11.75	D	03		DRILL 17 1/2" CONDUCTOR HOLE F/ 600' - 840' SURVEY @ 690' .75*
	18:00 - 18:15	0.25	D	18		HAND OVER AND PRETOUR SAFETY MEETING
	18:15 - 06:00	11.75	D	03		DRILL 17 1/2" HOLE F/ 840' - 1140' DRLG. PARAMETERS: BIT WT. 8500# RPM 20 CFM AIR 3490 STARTING AT 990' WATER HAS INCREASED F/ 25 BPH TO 400 BPH SURVEY @ 1080' 1/4 *
11/11/2009	06:00 - 06:00	24.00	D	03		DRILL F/ 1140' - 1200' WELL MAKING 400+ BBLs. / HR CIRC. HOLE CLEAN POH W/ AIR HAMMER LAYED DOWN AIR HAMMER AND AIR DRLG. STRING RIH WITH 17 1/2" TRI CONE INSERT BIT PICKED UP DRILL STRING USED FOR ROTARY DRILLING WASHED AND REAMED F/ 330' - 1200' HAD 4 HRS. REPAIR TIME ON MUD PUMP & 7 HRS. WASHING AND REAMING TO BTM. JUST BACK ON BTM. AT 0600 HRS. DRLG. PARAMETERS: BIT WT. 25000# RPM 90 PUMP OUTPUT 546 GPM 450 PSI AIR HAMMER HAD ALL SHOULDER CUTTERS DAMAGED
11/12/2009	06:00 - 06:15	0.25	D	18		HOLD HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:00	23.75	D	03		DRILL 17 1/2" CONDUCTOR HOLE F/ 1200' - 1470' VERY ROUGH DRLG. DRLG. PARAMETERS: BIT WT. 15000 - 25000# RPM 100 PP 700 PSI PUMP OUTPUT 546 GPM USING AIR PERIODICALLY TO ASSIST IN HOLE CLEANING SURVEYS @ 1320' 1" @ 1410' 13/4" AT PRESENT DRLG. W/ 15000 BIT WT. 100 RPM
11/13/2009	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 12:00	5.75	D	03		DRILL 17 1/2" HOLE F/ 1470' - 1542' AT 1520' STARTED SEEING SURFACE FRACTURES NEAR LEASE ENTRANCE & SHORTLY THERE AFTER STARTED GETTING AIR / WATER BLOWING OUT OF THESE FRACTURES SHUT DOWN AIR (UNABLE TO GET NORMAL CIRCULATION WITH OUT AIR ASSIST) DRILLED AHEAD BLIND F/ 1520' - 1542'
	12:00 - 15:00	3.00	D	04		DECISION WAS MADE TO STOP DRLG. AT THIS POINT & RUN CONDUCTOR PIPE CIRCULATED HOLE CLEAN POH LAYED DOWN DRILL STRING
	15:00 - 18:00	3.00	D	12		RIG UP TO RUN CASG. HOLD SAFETY MEETING RAN 35 JTS. 13 3/8" J55 54.5# BUTT. CASG. LENGTH W/ FLOAT EQUIP. 1501.00' RAN CENTRALIZERS ON JTS. 1, 2, 3 & EVERY THIRD JT. THERE AFTER RAN 1" PIPE DOWN ANNULUS TO 100'
	18:00 - 18:15	0.25	D	18		SAFETY MEETING W/ CEMENTERS
	18:15 - 02:00	7.75	D	14		CIRCULATED CASG. CAP. WITH RESERVE PIT WATER (NO RETURNS) CMT'D CASG. W/ 450 SX 11.0 PPG LEAD CMT. W/ 16% GEL, 10# GILSONITE, 3# GR.3, 3% SALT & 1/4# FLOCELE FOLLOWED BY 640 SX 15.8 PPG TAIL CMT. W/ 2% CACL2, 1/4# FLOCELE GOT CIRCULATION BACK AFTER STARTING TO DISPLACE CMT. DISPLACED CMT. W/ 225.3 BBLs. H2O PUMP PLUG W/ 850 PSI PLUG DOWN @ 2353 HRS. NOV. 12 / 09 HAD APPROX. 90 BBLs. CMT. RETURNS CMT. DROPPING IN ANNULUS TIED INTO 1" PIPE AND PUMPED 225 SX 15.8# CMT. W/

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION
Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/13/2009	18:15 - 02:00	7.75	D	14		4% CACL2 & 1/4# FLOCELE HAD GOOD RETURNS TO SURFACE WHILE CMT. WAS BEING PUMPED WITH PUMP OFF CMT. DROPPED IN ANNULUS WAIT ON CMT. TO SET FOR 1 HR. PUMPED ADDITIONAL 100 SX 15.8# CMT. W/ 4% CACL2 & 1/4# FLOCELE DOWN ANNULUS NO DROP IN ANNULUS SHOE @ 1501' FC @ 1457.73'
	02:00 - 02:30	0.50	D	01		RIG OUT PRO PETRO CEMENTERS RIG RELEASED @ 0230 HRS. NOV. 13 / 09
12/13/2009	06:00 - 06:30	0.50	D	18		RELEASED RIG FROM DWR 3-32B5 AT 0600 12-12-2009, TO RIG DOWN AND MOVE TO OWL & HAWK 2-31B5
	06:30 - 07:00	0.50	D	01		HAD PREVIOUSLY WELDED WELLHEAD ONTO CONDUCTOR AND TESTED TO 800 PSI FOR 15 MINUTES. STACKED B & C SECTIONS, LOWER RAMS AND MUD CROSS.
	07:00 - 07:30	0.50	D	18		WAIT ON DAYLIGHT, HOLD SAFETY MEETING WITH RIG CREWS AND TRUCKERS AND DISCUSS RIG DOWN AND HAZARDS, TAGLINES, TIEOFFS, OVERHEAD LOADS, RIG MATTS, AND PROPER PPE.
	07:30 - 17:30	10.00	D	01		RIG DOWN TO MOVE. REMOVE WIND BREAK, HAUL TOPDRIVE, CHOKE HOUSE, GAS BUSTER, TOOL SHED, FLARE PIT. LOWER RACKING BOARD AND DERRICK, DEENERGIZE POWERLINE, UNSTRING BLOCKS.
12/14/2009	17:30 - 06:00	12.50	D	18		WAIT ON DAYLIGHT
	06:00 - 07:30	1.50	D	18		SAFETY MEETING WITH CREWS AND RIG MOVERS, SNOWING HARD WITH 6" OF NES SNOW, NO SNOW REMOVAL EQUIPMENT WORKING YET, WESTROC MANAGEMENT RECOMMENDED SUSPENDING RIG DOWN/MOVE DUE TO WEATHER BECAUSE IT WAS PREDICTED TO SNOW HARD ALL DAY.
	07:30 - 12:00	4.50	D	01		RIG CREW WORKED UNTIL NOON FINISHING RIGGING DOWN LIGHTS, ELECTRICAL AND HOSES
12/15/2009	12:00 - 06:00	18.00	D	18		WAIT ON DAYLIGHT
	06:00 - 07:00	1.00	D	01		WAIT ON DAYLIGHT
	07:00 - 07:30	0.50	D	18		SAFETY MEETING WITH RIG CREWS AND RIG MOVERS, COVERED HAZARDS, AND OPERATION SCHEDULE.
	07:30 - 17:30	10.00	D	01		SET OUT DERRICK, LOWER DRAWWORKS AND DISSASSEMBLE, MOVE MATTS AND RIG TO NEW LOCATION
12/16/2009	17:30 - 06:00	12.50	D	01		WAIT ON DALIGHT
	06:00 - 07:30	1.50	D	01		W O DAYLIGHT
	07:30 - 07:45	0.25	D	18		SAFETY MEETING W/ RIG MOVERS, CRANE OPERATORS, RIG CREWS, ELPASO SAFETY CORDINATOR, ELPASO DRLG. PERSONEL
	07:45 - 18:00	10.25	D	01		FINISH PINNING SUB STRUCTURE, LEVEL SAME RAISE DERRICK STARTING LEGS PIN DRAW WORKS SET IN REMAINDER OF MATTING SPOT MUD MANIFOLD SKID, AND BOTH MUD PUMPS SPOT BOTH MUD TANKS, PREMIX TANK AND ALL SUPPORT BUILDINGS PIN DERRICK TO STARTING LEGS
12/17/2009	18:00 - 06:00	12.00	D	01		W O DAYLIGHT
	06:00 - 07:30	1.50	D	01		W O DAY LIGFHT
	07:30 - 07:45	0.25	D	18		SAFETY MEETING W/ RIG MOVERS, RIG CREWS, CRANE CREW & ELPASO PERSONEL
	07:45 - 18:00	10.25	D	01		HOOK UP SUIT CASES START MAIN ENGINE RUN POWER CORDS PREPARE AND RAISE DRAW WORKS SET IN POWER CORD OCTOPUS (CABLE TRAY) RIG IN PREFAB FRAME WORK 50% OF TARPS IN PLACE STRING TRAVELLING BLOCKS

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/17/2009	07:45 - 18:00	10.25	D	01		CONT. WITH GENERAL RIG UP
	18:00 - 06:00	12.00	D	01		W O DAYLIGHT
12/18/2009	06:00 - 07:00	1.00	D	01		W O DAY LIGHT
	07:00 - 07:45	0.75	D	18		SAFETY MEETING WITH RIG MOVERS, CRANE OPERATORS, RIG CREWS & ELPASO PERSONEL
	07:45 - 18:00	10.25	D	01		CONT. WITH GENERAL RIG UP PUTTING UP PREFABS, HOOKING UP AIR LINES & HYDRAULIC LINES 2 ELECTRICANS WORKING ON SCR ROOM & GEN #3 POWER TO DRAW WORKS AT 1500 HRS. SPOOL DRLG. LINE ONTO DRAW WORKS DRUM WHILE SPOOLING DRLG. LINE, BRIDLE LINE GOT BESIDE SHEAVE CAUSING A KINK IN BRIDLE LINE. PICTURES WERE TAKEN AND FORWARDED TO PRECISION DRLG,S OFFICE. SET IN REMAINDER OF RIG MATTS SPOTED CHOKE MANIFOLD BUILDING , GAS BUSTER, TOOL HOUSE & BOTH 400 BBL. TANKS
						CONT. WITH GENERAL RIG UP
	18:00 - 06:00	12.00	D	01		W O DAY LIGHT
12/19/2009	06:00 - 07:30	1.50	D	01		W O DAY LIGHT
	07:30 - 09:30	2.00	D	18		PRE SPUD AND SAFETY MEETING WITH PRECISION CREWS,DRILLING FOREMEN, AES, TOTAL DIRECTIONAL, SCHLUMBERGER, WEATHERFORD, NATIONAL OILWELL, DENVER DRILLING MANAGEMENT , AND BERNIE CASON.
	09:30 - 19:00	9.50	D	01		REMOVE DAMAGE BRIDLE LINE, SEND OUT TO BE REPLACED. FIRE BOILER, RIG IN STEAM LINES, FINISH TARPING IN BACK SECTION, RIG IN KILL LINE. WAIT FOR BRIDLE LINE.
	19:00 - 06:00	11.00	D	01		W O DAY LIGHT
12/20/2009	06:00 - 07:00	1.00	D	01		W O DAY LIGHT
	07:00 - 07:30	0.50	D	18		SAFETY MEETING WITH RIG MOVERS, CRANE OPERATORS, RIG CREWS & ELPASO PERSONEL
	07:30 - 19:00	11.50	D	01		WAIT ON CERTIFICATION & INSTALL NEW BRIDLE LINE PREPARE , INSPECT MONKEY BRD & DERRICK RAISE SAME DERRICK UP UP AT 1315 HRS. PREPARE RACKING PLAT FORM (ATTACH PREFABS) AND RAISE SET IN MATTING FOR CATWALK SPOT CATWALK , RAISE SKATE & V DOOR RESET TOP DRIVE BUILDING & LEVEL START HOOKING UP GAS BUSTER LINES SER. & HOOK UP RESERVE PIT PUMP FILL MUD TANKS & PREMIX TANK W/ WATER KEEP STEAM HOSES GOING IN TANKS TO THAW OUT VALVES & PARTIALLY FROZEN LINES DIG DITCHES AROUND DRLG. RIG CONT. WITH GENERAL RIG UP
	19:00 - 06:00	11.00	D	01		W O DAY LIGHT
12/21/2009	06:00 - 07:00	1.00	D	01		WAIT FOR DAY LIGHTS
	07:00 - 07:30	0.50	D	18		SAFETY MEETING
	07:30 - 20:00	12.50	D			MAKE UP LOWER SECTION OF TORQUE TUBE, SWIVEL & TOP DRIVE HOOK UP CHOKE LINE VALVES , CHOKE LINE TO MANIFOLD SHACK & LINES TO GAS BUSTER SPOT BARITE TRAILERS RECIEVED MUD PRODUCTS SPOTED AIR ASSOCIATES AIR DRLG. EQUIP. HOOK UP GAS LINES F/ GAS BUSTER TO FLARE TANK BOS SYSTEMS TECH SERVICED PREMIX TANK, CHANGED NUMEROUS VALVES & FITTINGS
						CONT. WITH GENERAL RIG UP
	20:00 - 02:00	6.00	D	01		WAIT FOR DAY LIGHT.
	02:00 - 02:15	0.25	D	18		SAFETY MEETING
	02:15 - 06:00	3.75	D	01		WORK ON TOP DRIVE, FLARE LINES
12/22/2009	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING

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Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/22/2009	06:15 - 17:00	10.75	D	01		CONT. NIPPLE UP BOP & ROTATING HEAD (HAVE BEEN WORKING ON TOP DRIVE EVER SINCE TOP DRIVE HAS BEEN PICKED UP)
	17:00 - 17:15	0.25	D	09		RIG IN WEATHERFORD HOLD SAFETY MEETING
	17:15 - 19:00	1.75	D	18		PRESS. TEST CHOKE MANIFOLD VALVES WHILE FINISHING NIPPLING UP
	19:00 - 19:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	19:15 - 00:00	4.75	D	09		CONT. PRESS. TESTING CHOKE MANIFOLD VALVES. 250 PSI LOW 5000 PSI HIGH
	00:00 - 06:00	6.00	D	09		PRESSURE TEST UPPER & LOWER PIPE RAMS, BLIND RAMS, 250 PSI LOW, 5000 PSI HIGH. TEST ANNULAR TO 250 PSI LOW, 2500 PSI. PRESSURE TEST INSIDE BOP, STAND PIPE & MANIFOLD.
12/23/2009	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING REVIEW JSA# 82
	06:15 - 08:15	2.00	D	09		PRESS. TESTING
	08:15 - 16:45	8.50	DT	65		PRESS. TEST BLIND RAMS to 250 PSI LOW & 5000 PSI HIGH 10 MIN. DURATION PRESS. TEST CASG. TO 1000 PSI FOR 30 MIN. ATTEMPT TO PRESS. TEST TOP DRIVE, SWIVEL & MUD LINE BACK TO MUD MANIFOLD WASH PIPE KEEPS LEAKING CHANGED OUT WASH PIPE & PACKING THE SEALING AREA (AREA WHERE WASH PIPE MEETS GOOSE NECK) IS BADLY CORRODED & THE METAL IS EATEN AWAY AFTER TRYING TO OBTAIN A PRESS. TEST SEVERAL TIMES WITH NO SUCCESS, GOOSE NECK WAS REMOVED & TAKEN TO W.E MACHINE IN ROOSEVELT TO BE REPAIRED
	16:45 - 18:00	1.25	D	09		PRESS. TEST INSIDE BOP, & STABBING VALVE TEST PRESS. 250 PSI LOW & 5000 PSI HIGH 10 MIN. DURATION
	18:00 - 20:00	2.00	D	18		SAFETY STD. DOWN MEETING ATTENDED BY PRECISION DRLG. SUPERINTENDANT, SAFETY COORDINATOR, DRLG. CREWS & BOTH ELPASO DRLG. CONSULTANTS
	20:00 - 20:30	0.50	D	65		CONDUCT 5 FUNCTION TEST WITH ACC. SHUT OFF. FINAL ACC. PRESS. 1200 PSI RECHARGE TO 3000 PSI IN 1 MIN. 28 SEC'S
	20:30 - 21:15	0.75	DT	65		WAIT ON GOOSE NECK
	21:15 - 22:30	1.25	DT	65		INSTALL GOOSE NECK & PACKING.
	22:30 - 00:00	1.50	DT	65		FILL LINE, PRESSURE TEST
	00:00 - 00:15	0.25	DT	65		SAFETY MEETING REVIEW JSA # 76 90 CONNECTION
	00:15 - 02:15	2.00	DT	65		ATTEMPT TO PRESSURE TEST WASH PIPE, NO TEST.
	02:15 - 03:30	1.25	D	18		LAY OUT TEST PLUG, INSTALL WEAR BUSHING.
	03:30 - 04:15	0.75	D	18		BLOW KELLY & MANIFOLD LINES.
	04:15 - 04:30	0.25	D	18		RIG SERVICE FUNCTION BLIND RAMS 7 SEC.
12/24/2009	04:30 - 06:00	1.50	D	04		PICK & MAKE UP BHA.
	06:00 - 06:45	0.75	D	18		HAND OVER & PRETOUR SAFETY MEETING REVIEW JSA #73 , 55, 84 PICKING UP DC'S PULLING & SETTING SLIPS
	06:45 - 09:45	3.00	D	05		CHANGING OUT WASH PIPE
	09:45 - 11:45	2.00	DT	65		MAKE UP 95/8" MOTOR (SET AT 1.5") TORQUE BUSTER , HBHO & MONEL DC'S SCRIBE MOTOR
						REPLACE GOOSE NECK ON SWIVEL (REPLACEMENT ARRIVED FROM GRAND JUNCTION) REPLACEMENT GOOSE NECK
						LEAKING WORSE THAN PREVIOUS ONE (HAVE NEW WASH PIPE CARTRIDGE ORDERD)
	11:45 - 18:00	6.25	D	04		CONT. MAKING UP BHA TO 888'
	18:00 - 18:15	0.25	D	18		CREW CHANGE MEETING (REVIEW JAS #84 CHANGE OUT SWIVEL) # 44 MANWINCH
	18:15 - 00:00	5.75	DT	65		LOOSEN BOLTS ON TOP OF GOOSE NECK & TRY TO HAMMER

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/24/2009	18:15 - 00:00	5.75	DT	65		UNION TIGHTER, UNSUCCESSFUL, CHANGE OUT WASH PIPE, UNSUCCESSFUL. BREAK OUT SWIVEL & CHANGE OUT.
	00:00 - 04:00	4.00	DT	65		CHANGE OUT SWIVEL.
	04:00 - 04:15	0.25	DT	67		SAFETY MEETING, REVIEW JSA 38, 7 OPERATING SKATE& PU DP.
	04:15 - 06:00	1.75	DT	65		PRESSURE TEST SWIVEL TO 3000 PSI.
12/25/2009	06:00 - 06:30	0.50	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSE HOLE CONNECTIONS
	06:30 - 09:00	2.50	D	04		CONT. PICKING UP 5" DP TO 1460' TAG CMT. AT 1460'
	09:00 - 13:30	4.50	D	13		DRILL OUT CMT. F/ 1460' - 1491' DRILL PLUG, FLOAT COLLAR & CMT. F/ 1491' - 1525'
	13:30 - 14:15	0.75	D	06		CUT OFF EXCESS DRILL LINE
	14:15 - 16:30	2.25	DT	65		PRESS. TEST SURFACE EQUIP. REPLACED GATES, SEATS & STEM PACKING ON 2 MUD MANIFOLD VALES RETESTED TO 3500 PSI
	16:30 - 16:45	0.25	D	13		DRILL CMT. F/ 1525' - 1531'
	16:45 - 17:15	0.50	DT	65		WORK ON PASON FLOW SHOW, ROP & AUTO DRILLER
	17:15 - 17:45	0.50	D	13		DRILL OUT CMT. & SHOE F/ 1531' - 1535'
	17:45 - 18:00	0.25	D	08		CIRC. BTMS. UP
	18:00 - 18:15	0.25	D	18		CREW CHANGE MEETING, JAS # 78 AIR DRILLING.
	18:15 - 18:45	0.50	D	09		FIT. SURFACE PRESS 280 PSI. HYROSTATIC PRESS 670 PSI =950 PSI /1535'=0.618 GRADIENT ECMW 11.9 PSI/FT.
	18:45 - 20:45	2.00	D	03		DRILL W/ 12 1/4 PDC F/ 1535'-1613' 78 FT 39 FT/HR
	20:45 - 22:15	1.50	D	18		RIG IN AIR SYSTEM, INSTALL R-BOP
	22:15 - 00:00	1.75	D	03		DRILL W/ 12 1/4" PDC F/ 1613' - 1642'. 29 FT 16.5 FT/HR 650 GPM, 750 SCFM 5.2 ECD.
	00:00 - 00:15	0.25	D	18		SAETY MEETING REVIEW JSA # 77 / 75
	00:15 - 01:45	1.50	D	03		DRILL W/ 12 1/4" PDC F/ 1642' - 1670'. 18 FT 18 FT/HR 600 GPM, 650 SCFM 5.2 ECD.
	01:45 - 02:00	0.25	D	06		RIG SERVICE FUNCTION UPPER PIPE RAMS. 7 SEC.
	02:00 - 05:00	3.00	D	03		DRILL W/ 12 1/4" PDC F/ 1670' - 1000'. 18 FT 18 FT/HR 600 GPM, 715 SCFM 5.3 ECD. SLIDING 1765'-1783' 18'
12/26/2009	05:00 - 06:00	1.00	D	05		ACCUM CONNECTION & SURVEY TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING ON AIR DRILLING
	06:15 - 14:45	8.50	D	03		DRILL 121/4" HOLE F/ 1820' - 2118' SLIDE F/ 1858' - 1878' 1952' - 1972' 2045' - 2065' DRLG. W/ 600 GPM WATER & 650 - 700 CFM AIR
	14:45 - 15:45	1.00	D	18		ACC. SURVEY & CONN. TIME
	15:45 - 16:00	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C/ O 24 SEC'S
	16:00 - 18:00	2.00	D	03		DRILL F/ 2118' - 2236' SLIDE 2139' - 2159' DRILL WITH 600 GPM AND 700 CFM AIR FOR 5.5 ECD
	18:00 - 18:15	0.25	D	18		CREW CHANGE MEETING, JSA #3 USE OF TONGS/ 83 MIXING ON MUD TANKS
	18:15 - 23:00	4.75	D	03		DRILL F/ 2236' - 2418' 600 GPM WITH 700 CFM FOR 5.65 PPG ECD
	23:00 - 23:15	0.25	D	06		LUBRICATE RIG FUNCTION LPR 7SEC C/O
	23:15 - 23:30	0.25	D	03		DRILL 2418' - 2424'. 600 GPM. 700 CFM FOR 5.69 PPG ECD
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME. PUMPED TO MUCH WATER AT CONNECTION AT 2418' WHICH KILLED CIRCULATION AND REQUIRED TO BRING CFM UP TO 1250 TEMPORALY. 600 GPM.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING, JSA #38 OPEATING SKATE
	00:15 - 05:00	4.75	D	03		DRILL F/ 2424' - 2607' 1000CFM AIR WITH 600 GPM FOR 5.2 ECD. 665 PSI.
	05:00 - 06:00	1.00	D			ACCUMULATED SURVEY AND CONNECTION TIME.

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Spud Date: 10/23/2009
Start: 10/19/2009 End: 2/23/2010
Rig Release: 2/23/2010 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/27/2009	06:00 - 06:15	0.25	D	18		HAND OVER & CREW CHANGE SAFETY MEETING JSA #38,44 & 70 MAN WINCH OPERATION, DE - ICEING MATTING
	06:15 - 14:45	8.50	D	03		DRILL 121/4" HOLE F/ 2607' - 2886' 600 - 750 GPM WATER 650 - 750 CFM AIR AFTER CONNECTIONS ARE MADE, HAVING TO DECREASE PUMP OUTPUT & INCREASE AIR TO 1000 - 1100 CFM TO REGAIN CIRC
	14:45 - 15:30	0.75	D	04		ACC. SURVEY & CONNECTION TIME
	15:30 - 15:45	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C/O 7 SEC'S CK. CROWN SAVER
	15:45 - 18:00	2.25	D	03		DRILL F/ 2886' - 2945' 800 CFM AND 750 GPM FOR 6.1 PPG ECD. LOOSING SLOWLY. 850 PSI.
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING. JSA#4 SETTING AND PULLING SLIPS, JSA# 70 DEICING MATTING
	18:15 - 21:00	2.75	D	03		DRILL F/ 2945' - 2979' 800 CFM AND 750 GPM FOR 6.1 PPG ECD. 850 PSI, FLUID LEVEL HOLD ING OR FALLING VERY SLOWLY.
	21:00 - 21:15	0.25	D	06		LUBRICATE RIG, FUNCTION UPR 7 SEC TO CLOSE
	21:15 - 23:30	2.25	D	04		DRILL 2979' - 3035' 800 CFM AND 750 GPM FPR 6.1 PPG ECD 850 PSI
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING REVIEW JAS #49 BATTERY MAINTANENCE, JSA # 90 WORKING ON PUMPS
	00:15 - 01:30	1.25	D	03		DRILL 3035' - 3075' LOST TOTAL RETURNS, SLOWED PUMPS TO 600 GPM AND AIR TO 1200 CFM. RECOVERED RETURNS, 5.7 PPG ECD. 675 PSI
	01:30 - 01:45	0.25	D	06		LUBRICATE RIG FUNCTION LPR 7 SEC TO CLOSE
	01:45 - 05:30	3.75	D			DRILL 3075' - 3140' 800 CFM AND 650 GPM FOR 5.9 PPG ECD 900 PSI
	05:30 - 06:00	0.50	D			ACCUMULATED SURVEY AND CONNECTION TIME
12/28/2009	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 17:15	11.00	D	03		DRILL 121/4" HOLE F/ 3140' - 3270' 650 - 750 GPM WATER & 1000 - 1250 CFM AIR
	17:15 - 17:30	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C/O 7 SEC'S
	17:30 - 18:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	18:00 - 19:00	1.00	D	08		CIRC. BTMS. UP (SAFETY AND CREW CHANGE MEETING JSA 3 12/3/4/47/1). NO RETURNS
	19:00 - 23:00	4.00	D	04		POOH, RULL 5 STANDS, REMOVE ROTATING RUBBER, FLOW CHECK, BLOW DOWN KELLY AND LINES. POOH. CHECK FLOW AT 1567 AND 844'. LD JARS, ONE MONEL, MWD, 2 TBR, AND BREAK OFF BIT.
	23:00 - 02:45	3.75	D	04		MAKE UP BIT #2, PU MWD, TBR'S, MONEL AND JARS, RIH TO 1600'.
	02:45 - 03:30	0.75	D	05		PULSE TEST MWD.
	03:30 - 03:45	0.25	D	06		LUBRICATE RIG FUNCTION UPR/LPR 7 SEC TO CLOSE.
	03:45 - 04:00	0.25	D	04		CONTINUE TO RIH, INSTALL ROTATING RUBBER AT 2893'
12/29/2009	04:00 - 04:45	0.75	D	04		WASH DOWN FROM 3171 TO 3270'.
	04:45 - 06:00	1.25	D	03		DRILL 3270' - 3290' 800 CFM AND 700 GPM FOR 6.3 PPG ECD 1035 PSI NO RETURNS.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 09:00	2.75	D	03		DRILL 121/4" HOLE F/ 3290' - 3355' 800 CFM AIR 700 GPM WATER ECD 6.3 PPG NO RETURNS
	09:00 - 09:15	0.25	D	05		ACC. SURVEY & CONNECTION TIME
	09:15 - 09:45	0.50	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C/O 24 SEC'S
	09:45 - 18:00	8.25	D	03		DRILL F/ 3355' - 3466'. PIT BACK TO 3' DOWN. PRESSURE 1950 PSI AT 600 GPM AND 1100 CFM FOR 5.7 PPG ECD.

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/29/2009	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING, JAS #38 OPERATING SKATE
	18:15 - 19:30	1.25	D	03		DRILL F/ 3466' - 3477'. PRESSURE IS RUNNING 800 PSI OVER CALCULATED AND ROP STOPPED WHEN ROTATING DP IS STOPPED WITH THE PRESSURE INCREASING WHILE STOPPED RATHER THAN DROPPING AS EXPECTED. PREPARE TO POOH.
	19:30 - 00:00	4.50	DT	62		POOH. PULL 5 STANDS, REMOVE STRING FLOAT SUB, FLOW CHECK AND BLOW DOWN SYSTEM, POOH FLOW CHECKS AT 1638' AND 831'. CHECK SYSTEM FOR BLOCKAGE. PUMP ON BHA AT TOP OF BIG COLLARS. SYSTEM PLUGGED. 1150 PSI AT 500 GPM AND CLIMBING. MOTOR IS LOCKED UP COULD NOT TURN IT TO DRAIN. BIT IN GREAT SHAPE.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #3 USE OF TONGS, #4 SETTING SLIPS, #25 HANDLING BHA, #41 UNLOADING CASING FROM TRUCKS.
	00:15 - 03:00	2.75	DT	62		PU MOTOR, MU XO, BIT, MWD AND ORIENT.
	03:00 - 04:30	1.50	DT	62		MU BHA AND RIH TO 1540'.
	04:30 - 04:45	0.25	D	06		LUBRICATE RIG
	04:45 - 05:00	0.25	DT	62		PULSE TEST MWD AT 1540'. 437 PSI AT 426 GPM AT TERMINATION OF TEST
	05:00 - 06:00	1.00	DT	62		CONTINUE TRIP IN HOLE.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
12/30/2009	06:15 - 06:45	0.50	D	04		CONT. RIH TO 3382' WASH F/ 3382' - 3477' HOLE GOOD ON TRIP IN HOLE
	06:45 - 17:15	10.50	D	03		DRILL 12 1/4" HOLE F/ 3477' - 3824' 650 GPM WATER 1050 CFM AIR
	17:15 - 17:45	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	17:45 - 18:00	0.25	D	06		RIG SER. FUNCTION UPR C / O 7 SEC'S
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #19 DRIVING TO AND FROM LOCATION #44 MAN WINCH, #47 PIPE SPINNER
	18:15 - 21:45	3.50	D	03		DRILL F/ 3824' - 3920'. 800 GPM AND 850 CFM FOR 6.5 PPG ECD 1850 PSI
	21:45 - 22:00	0.25	D	06		LUBRICATE RIG FUNCTION LPR 7 SEC TO CLOSE
	22:00 - 23:00	1.00	D	03		DRILL F/ 3920 - 3951'. 800 GPM AND 900 CFM FOR 6.6 PPG ECD. 1925 PSI. GOOD RETURNS
	23:00 - 00:00	1.00	D	05		ACCUMULATED SURVEY AND CONNECTION TIME. SURVEYS FAILED LAST 2 CONNECTIONS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA # 51 WORKING ON ROOFS, #71 CLEANING BELLY PAN
12/31/2009	00:15 - 03:00	2.75	D	03		DRILL F/ 3920' - 4016'. 780 GPM AND 1050 CFM FOR 6.4 PPG ECD. 1940 PSI. GOOD RETURNS. NO SURVEY SINCE 3671'.
	03:00 - 03:15	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE
	03:15 - 06:00	2.75	D	03		DRILL F/ 4016' - 4075'. 788 GPM AND 1050 CFM FOR 6.4 PPG ECD. 1905 PSI. FLUID HOLDING CONSTANT IN RESERVE PIT.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 12:45	6.50	D	03		DRILL 12 1/4" HOLE F/ 4075' - 4233' 750 GPM & 1050 CFM AIR ECD 6.5 PPG
	12:45 - 13:15	0.50	DT	64		CIRC. DRILL PIPE CAP. W/ WATER
	13:15 - 14:00	0.75	DT	64		POH UP TO 3353' REMOVE STRING FLOAT
	14:00 - 14:15	0.25	DT	67		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	14:15 - 16:15	2.00	DT	61		RIG IN CASED HOLE SOLUTIONS HOLD SAFETY MEETING RUN IN & RETRIEVE NON FUNCTIONING MWD PROBE RUN IN W/ MWD MUD PULSE PROBE & SET NO PROBLEMS
	16:15 - 17:30	1.25	DT	64		RIH TAKE SURVEYS AT @3763' 1.1* AZ 23.8 @ 3955' 1.0* AZ

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/31/2009	16:15 - 17:30	1.25	DT	64		33.7 @ 4146' .8" AZ 28.1
	17:30 - 18:00	0.50	D	03		DRILL F/ 4233' - 4245', NO RETURNS, 800 GPM AND 1050 CFM AIR.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA # 7 MOUSE HOLE MU. #19 DRIVING TO LOCATION
	18:15 - 21:00	2.75	D	03		DRILL F/ 4245' - 4295'. 708 GPM AND 1300 CFM FOR 6.1 ECD. 1628 PSI. REESTABLISHED CIRCULATION.
	21:00 - 21:15	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE
	21:15 - 23:15	2.00	D	03		DRILL F/ 4295' - 4342', 700 GPM AND 1100/1450 CFM FOR 6.2/5.8 PPG ECD AND 1790 PSI. INTERMITTANT RETURNS
	23:15 - 00:00	0.75	D	05		ACCUMULATED CONNECTION AND SURVEY TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #75 RELEASE TRAPPED TORQUE, JSA #77 LOCK OUT TAG OUT TRY OUT
	00:15 - 03:00	2.75	D	03		DRILL F/ 4342' - 4387'. 660 GPM AND 1250 CFM FOR 6.1 PPG ECD. 1600 PSI. NO SURVEY AT CONN AT 4387'.
	03:00 - 03:15	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 24 SEC TO CLOSE.
1/1/2010	03:15 - 05:30	2.25	D	03		DRILL F/ 4385' - 4435'. 700 GPM 1200 CFM FOR 6.3 CFM. 1633 PSI.
	05:30 - 06:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 07:15	1.00	D	03		DRILL 12 1/4" HOLE F/ 4435' - 4455' 700 GPM 1200 CFM AIR ECD 6.3 PPG
	07:15 - 07:45	0.50	D	08		CIRC. BTMS. UP
	07:45 - 11:30	3.75	D	04		POH W/ RR #2 TAKE REQUIRED FLOW CK'S SLIGHT TIGHT SPOTS AT @ 3535' & 2914' 10K OVERPULL
	11:30 - 13:00	1.50	D	04		REMOVE MWD PROBE, LAY DOWN BOTH GAP SUBS, REMOVE & INSPECT DRILL BIT
	13:00 - 13:15	0.25	D	06		RIG SER. FUNCTION BLIND RAMS C / O 7 SEC'S
	13:15 - 17:30	4.25	D	04		MAKE UP RR VAREL 5-1-7 INSERT BIT, INSTALL MWD PROBE RIH SHALLOW TEST MWD AT @ 974' & 1944' TOOL NOT PULSING
	17:30 - 18:00	0.50	D	04		CONT. RIH TO 4138' INSTALL ROTATING HEAD ELEMENT
1/2/2010	18:00 - 18:15	0.25	D	18		CONT. RIH TO 4360' WASH F/ 4360' - 4455' 4" FILL ON BTM.
	18:15 - 18:45	0.50	D	03		CREW CHANGE SAFETY MEETING JSA #19 DRIVE TO/FROM LOCATION
	18:45 - 19:00	0.25	D	06		DRILL F/ 4455' - 4472'. 700 GPM AND 1200 CFM FOR 6.2 PPG ECD, 1475 PSI. NO RETURNS YET FROM TRIP.
	19:00 - 19:30	0.50	D	05		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE.
	19:30 - 00:00	4.50	D	03		ATTEMPT TO SURVEY WITH MWD
	00:00 - 00:15	0.25	D	18		DRILL F/ 4472' - 4565'. 700 GPM AND 1000 CFM FOR 6.4 PPG ECD, 1500 PSI.
	00:15 - 05:45	5.50	D	03		SAFETY MEETING JSA #44 MAN LIFT USE, #76 MOUSE HOLE CONNECTION#43 SETTING AND PULLING SLIPS
	05:45 - 06:00	0.25	D	05		DRILL F/ 4565' - 4675'. 700 GPM AND 775 GPM FOR 6.77 PPG EDC. 1525 PSI.
	06:00 - 06:15	0.25	D	18		ACCUMULATED SURVEY ATTEMPTS AND CONNECTION TIME.
	06:15 - 08:00	1.75	D	08		HAND OVER & PRETOUR SAFETY MEETING
1/2/2010	08:00 - 09:00	1.00	D	04		CIRC. BTMS. UP 700 GPM 1200 CFM AIR ECD 6.4 PPG
	09:00 - 10:15	1.25	D	05		MAKE 10 STD. WIPER TRIP UP TO 3750' HOLE APPEARS GOOD REMOVED STRING FLOAT
	10:15 - 13:00	2.75	D	08		RUN WIRELINE ELECTRONIC SINGLE SHOT SURVEY @ 4583' 1.5" AZ 311.60
	13:00 - 13:15	0.25	D	06		CIRC. COND. HOLE 700 GPM 1250 CFM AIR ECD 6.2 PPG
	13:15 - 18:00	4.75	D	04		LUBRICATE RIG SERVICE BLOCKS TOP DRIVE AND DRAWWORKS

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/2/2010	13:15 - 18:00	4.75	D	04		MONEL DC'S, 95/8" MUD MOTOR & 121/4" DRILL BIT
	18:00 - 18:15	0.25	D	12		PULL WEAR RING.
	18:15 - 18:30	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING RIGGING UP TESCO,
						JSA # 96, #13 RUNNING CASING, #3 USE OF TONGS
	18:30 - 21:00	2.50	D	12		RU TESCO CASING TOOLS. SAFETY MEETING FOR RUNNING
						PROCEDURE AND HAZARDS. SLID ROTATING RUBBER DOWN
						LANDING JOINT.
	21:00 - 00:00	3.00	D	12		RUN 9 5/8" 40 # N-80 LTC CASING: FLOAT SHOE, 1 JOINT CASING ,
						FLOAT COLLAR, (49.24"), RUN 100 JOINTS CASING. (TOTAL
						4622.95). RUN 1 STOP COLLAR ON EACH OF FIRST 2 JOINTS, ONE
1/3/2010						CENTRILIZER ON EACH STOP COLLAR AND ONE ON THE THIRD
						COLLAR. RUN ONE CENTRILIZER ON EVERY THIRD COLLAR UP
						TO INSIDE CONDUCTOR. PUMP THROUGH FLOAT EQUIPMENT
						AND PUMP 10 BBL EVERY 3 JOINTS TO FILL.
	00:00 - 00:15	0.25	D	12		SAFETY MEETING JSA #4, 43 PULLING AND SETTING SLIPS, # 38
						OPERATING SKATE, #79 LAY DOWN CASING
	00:15 - 03:30	3.25	D	12		CONTINUE RUNNING 9 5/8" CASING.
	03:30 - 05:00	1.50	D	12		AFTER THE JOINT #101, PU 2 JOINTS AND WASH TO BOTTOM.
						TAG UP AT 4675'. LAY DOWN THE 2 JOINTS AND PU THE LANDING
						JOINT. LAND THE MANDREL ON THE CASING BOWL LOCK IN THE
						ROTATING RUBBER.
	05:00 - 05:30	0.50	D	08		PUMP 100 BBL WATER. PU 16' BALES AND 350 TON ELEVATORS.
	05:30 - 06:00	0.50	D	12		RIG DOWN CASING EQUIPMENT.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:30	0.25	D	12		RIG UP 16' BALES AND 350 T ELEVATORS
	06:30 - 08:00	1.50	D	14		RIG IN SCHLUMBERGER INSTALL PLUG LOADING HEAD
	08:00 - 10:00	2.00	D	08		CIRC. AIRATED WATER AT 350 GPM & 1200 CFM AIR FOLLOWED
						BY 250 BBLs. 45 VIS. AIRATED DRLG. MUD W/ 15% SAWDUST
						HOLD SAFETY MEETING CMT'D CASG. W/ 40 BBLs. 8.34 PPG
	10:00 - 15:15	5.25	D	14		MUD PUSH II FOLLOWED BY 780 SX LITECRETE 9.0 PPG 107
						GAL/SK H2O, YIELD 2.84, VOLUME 393 BBL. FOLLOWED BY 210 SX
						10-0 RFC 14.2 PPG, 8.073 GAL/SK H2O, YIELD 1.61. VOLUME 59 BBL.
						(CMT. VOLUMES 100% EXCESS OVER GAUGE HOLE)
						DISPLACED CASG. W/ 350 BBLs. 8.4 PPG WATER PUMP PLUG
						WITH 941 PSI FLOATS HELD OK HAD GOOD RETURNS THRU
						OUT CMT'G & FIRST 48 BBLs. OF DISPLACEMENT GOOD TO
						PARTIAL RETURNS FOR NEXT 282 BBLs. & NO RETURNS FOR
						LAST 20 BBLs. MUD FLUSHES RETURNED TO SURFACE. HAD
						SIGN OF CEMENT COMING OVER SHAKER PRIOR TO LOOSING
						CIRC. LAST RECORDED PH WAS 11.5 PLUG DOWN @1502
						HRS. JAN 2 / 2010 SHOE DEPTH @ 4661' FLOAT COLLAR @
						4612'
	15:15 - 16:45	1.50	D	12		RIG OUT CMT. HEAD, BALES & ELEVATORS BACK OUT
						LANDING JT.
	16:45 - 18:00	1.25	D	10		HOLD SAFETY MEETING WITH WEATHERFORD, RUN PACKOFF,
						SET LOCK SCREWS AND ENERGIZE.
	18:00 - 18:15	0.25	D	18		TOUR CHANGE SAFETY AND OPERATIONS MEETING.
	18:15 - 21:00	2.75	D	09		TEST PACKOFF TO 5K FOR 15 MINUTES. RU AND TEST 9 5/8"
						CASING TO 1500 PSI FOR 30 MINUTES WITH B SECTION VALVE
						AND BLIND RAMS. RUN IN AND LOCK DOWN THE WEAR
						BUSHING.
	21:00 - 00:00	3.00	D	04		LAY DOWN 7" DC'S. TAKE ON MUD FROM RIG 404.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/3/2010	00:15 - 01:00	0.75	D			PU 5" HWDP, STAND IN DERRICK
	01:00 - 04:30	3.50	D	11		RIG UP WIRELINE AND RUN TEMPERATURE SURVEY. RIG DOWN WIRELINE.
	04:30 - 06:00	1.50	D	04		STRAP AND PU DIRECTIONAL TOOLS.
1/4/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 08:45	2.50	D	05		PU AND CHECK OUT DIRECTIONAL TOOLS
	08:45 - 10:30	1.75	D	04		TRIP IN HOLE TO 4325'
	10:30 - 11:45	1.25	D	04		CUT DRILLING LINE, ADJUST BRAKES AND LINKAGE
	11:45 - 12:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE AND DRAWWORKS
	12:00 - 12:30	0.50	D	04		TRIP IN HOLE 4325' TO 4610'.
	12:30 - 14:30	2.00	D	13		DRILL FLOAT AT 4611' AND CEMENT TO 4661'.
	14:30 - 14:45	0.25	D	13		DRILL CMT. F/ 4661' - 4672'
	14:45 - 15:30	0.75	D	08		CIRCULATE AND CONDITION
	15:30 - 15:45	0.25	D	18		BOP DRILL. WELL SECURE AND ALL MEN IN PLACE IN 45 SEC.
	15:45 - 16:45	1.00	D	09		RIG IN WEATHERFORD HOLD SAFETY MEETING CONDUCT F I T TEST WATER 8.5 PPG ADDED SURFACE PRESS. 290 PSI EQUALS TO .5 PSI /FT GRADIENT OR 9.69 PPG MUD
	16:45 - 17:00	0.25	D	13		DRILL CMT. F/ 4672' - 4675'
	17:00 - 18:00	1.00	D	03		DRILL 8 3/4" HOLE F/ 4675' - 4700'. 12/15 WOB 1000 PSI AT 400 GPM
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING. (RELIEF CREW HAD A ROLL OVER ON WAY TO WORK) Jsa # 53/90 90' MOUSE HOLE CONNECTIONS, #76 OPERATING SKATE #38
	18:15 - 23:45	5.50	D	03		DIRECTIONAL DRILL 8 3/4" HOLE 4700' - 4925' 490 GPM AT 1306 PSI, 12.8/15 WOB. SLIDE 4781 TO 4811'. 4870 TO 4900'.
	23:45 - 00:00	0.25	D	05		ACCUMULATED CONNECTION AND DIRECTIONAL WORK TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING JSA #83 MIXING CHEMICALS, #4 SETTING AND PULLING SLIPS BOP DRILL
	00:15 - 05:45	5.50	D	03		DIRECTIONAL DRILL 4925' - SLIDE 4967 TO 4985' / 5013 TO 5031' / 5060 TO 5079'
1/5/2010	05:45 - 06:00	0.25	D	06		LUBRICATE RIG FUNCTION UPR 7 SEC TO CLOSE
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 08:00	1.75	D	08		CIRCULATE HOLE CLEAN TO TRIP. BIT AND MOTOR ARE NOT BUILDING AS PLANNED.
	08:00 - 11:00	3.00	D	04		POOH, PULL 5 STANDS. FLOW CHECKS AT 5152', 4777', 2800' AND , POOH, BHA OOH.
	11:00 - 12:00	1.00	D	04		CHANGE BITS AND CHECK MWD
	12:00 - 12:15	0.25	D	06		LUBRICATE RIG SERVICE BLOCKS TOP DRIVE SWIVEL AND DRAWWORKS
	12:15 - 15:00	2.75	D	04		RIH, FILL PIPE, BREAK CIRCULATION.
	15:00 - 15:30	0.50	D	07		WASH TO 5152'. GET SLOW PUMP ON #1
	15:30 - 18:00	2.50	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/ 5152' TO 5225' @400 GPM, 1000 PSI & 45 RPM'S SLIDE F/5155' TO 5173', 5187' TO 5203', 5217' TO 5225' {54.8 %}
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING {DRIVING INCIDENT, SET & FUNCTION CROWN SAVER, DISCUSSED JSA #17, 61 AND CONFINED SPACE ENTRY JSA#24 & 66.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/5225' TO 5378' @400 GPM, 1000 PSI & 45 RPM'S SLIDE F/5225' TO 5232', 5236' TO 5260', 5277' TO 5302', 5308' TO 5328', 5339' TO 5364' {66%}
	23:30 - 00:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON BATTERY MAINTENANCE {JSA #49} MAN

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/5/2010	00:00 - 00:15	0.25	D	18		WINCH USE & JSA #44, 90 FT MOUSE HOLE CONNECTIONS & JSA #76, #74 & #59
	00:15 - 02:45	2.50	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/5378' TO 5431' @ 400 GPM, 1000 PSI 45 RPM'S SLIDE F/5378' - 5395', 5401' TO 5426' {79%}
	02:45 - 03:00	0.25	D	06		RIG SERVICE {FUNCTION TEST LOWER PIPE RAM'S}
	03:00 - 04:30	1.50	D	05		ACCUMULATED CONNECTIONS & SURVEY TIME
	04:30 - 06:00	1.50	D	03		DIRECTIONAL DRILL TO BUILD CURVE, F/5431' TO 5488' @400 GPM, 1000 PSI & 45 RPM'S SLIDE F/5431' TO 5457', 5463' TO 5488' {89%}
1/6/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 12:00	5.75	D	03		DIRECTIONAL DRILL F/ 5488' TO 5619'. 400 GPM AT 1000 PSI SLIDE (5493' TO 5584', 5597' TO 5619'.) 78.6%
	12:00 - 12:15	0.25	D	06		LUBRICATE RIG SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	12:15 - 17:30	5.25	D	03		DIRECTIONAL DRILL F/ 5619' TO 5750'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/5619' TO 5638', 5653' TO 5672', 5686' TO 5707', 5715' TO 5739'
	17:30 - 18:00	0.50	D	05		ACCULATED CONNECTION & SURVEY TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING DISCUSSED JSA # 55 & #4 {TRIPPING OUT} DISCUSSED JSA #3 {TONG USE} DISCUSSED JSA #55 & #4 {PULLING SLIPS}
	18:15 - 19:00	0.75	D	03		DIRECTIONAL DRILL SLIDE F/5745' TO 5754'. 400 GPM AT 1000 PSI & 45 RPM'S
	19:00 - 19:45	0.75	D	08		CIRCULATE & CONDITION HOLE CLEAN FOR TRIP. BIT AND MOTOR ARE NOT BUILDING AS PLANNED
	19:45 - 22:00	2.25	D	04		POOH - FLOW CHECK @5760', 5342', 2716', 1024' {NORMAL DRAG}
	22:00 - 23:45	1.75	D	05		CHANGE OUT BIT, TURN MUD MOTOR FROM 1.83 TO 2.12, CHANGE OUT ONE BATTERY IN MWD, ORIENT TOOL FACE
	23:45 - 00:00	0.25	D	06		RIG SERVICE {FUNCTION BLIND RAM'S}
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON WORKING ON MONKEY BOARD {REVIEWED JSA #22} PIPE SPINNER USE {JSA #47} TRIPPING PIPE {JSA#1}
	00:15 - 01:30	1.25	D	04		RIH F/SURFACE TO 5745'
	01:30 - 02:00	0.50	D	08		FILL PIPE
1/7/2010	02:00 - 06:00	4.00	D	03		DIRECTIONAL DRILL F/5745' TO 5830'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/5745' TO 5764', 5776' TO 5791', 5807 TO 5823' {59%}
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 14:45	8.50	D	03		DIRECTIONAL DRILL 5830' TO 6000'. 400GPM AT 1000 PSI 45 RPM SLIDE 5839 TO 5859', 5870 TO 5890', 5901 TO 5921', 5933 TO 5948', 5965 TO 5975', 5997 TO 6000'. (67.6%)
	14:45 - 15:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, AND DRAWWORKS
	15:00 - 17:30	2.50	D	03		DIRECTIONAL DRILL 6000' - 6070'. 400GPM AT 1000 PSI 45 RPM SLIDE 6000 TO 6012', 6029 TO 6044'. (38.6%)
	17:30 - 18:00	0.50	D	05		SURVEY AND CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING REVIEWED JSA #19
						DRIVING TO AND FROM LOCATION. RREVIEWED JSA #35 MIXING CAUSTIC. REVIEWED JSA #37 USE OF STINGER
	18:15 - 23:15	5.00	D	03		DIRECTIONAL DRILL F/6070' TO 6168'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/6070' TO 6078', 6092' TO 6107', 6123' TO 6138', 6153'

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/7/2010	18:15 - 23:15	5.00	D	03		TO 6168'
	23:15 - 23:45	0.50	D	05		ACCUMULATED SURVEY & CONNECTION TIMES
	23:45 - 00:00	0.25	D	06		RIG SERVICE {FUNCTION UPPER PIPE RAM'S}
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON OPERATING SKATE REVIEWED JSA # 38
1/8/2010						REVIEWED JSA #44 ON USE OF MAN WINCH, REVIEWED JSA # 74 & #76 ON 90' MOUSEHOLE CONNECTIONS
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILL F/6168' TO 6260'. 400 GPM AT 1000 PSI & 45 RPM'S SLIDE F/6184' TO 6198', 6215' TO 6230', 6246' TO 6257' {43%}
	05:30 - 05:45	0.25	D	05		ACCUMULATED CONNECTION & SURVEY TIMES
	05:45 - 06:00	0.25	D	06		RIG SERVICE {FUNCTION ANNULAR}
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING RELEASE TRAPPED TORQUE, UNLOADING TUBULARS, HOUSEKEEPING, 90' MOUSE HOLE CONNECTIONS
	06:15 - 11:30	5.25	D	03		DIRECTIONAL DRILL 6257' TO 6368' 400 GPM AT 1000 PSI 47 RPM
	11:30 - 11:45	0.25	D	06		SLIDE 6279 TO 6291', 6310 TO 6320', 6341 TO 6349'. (27% SLIDE)
	11:45 - 17:30	5.75	D	03		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL, DRAWWORKS, FUNCTION HCR, 2 SEC TO OPEN
						DIRECTIONAL DRILL 6368' TO 6480'. 400 GPM AT 1000 PSI 45 RPM, 500 GPM AT 1480 PSI. SLIDE 6371 TO 6382', 6402 TO 6414'. 6433 TO 6441'. {28% SLIDE}
	17:30 - 18:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED SAFETY ALERT ON COLD WEATHER CONDITIONS. REVIEWED JSA #83 MIXING ON MUD TANKS. REVIEWED JSA #70 ON DE-ICEING MATTING.
						REVIEWED JSA #61 SETTING CROWN SAVER.
	18:15 - 21:15	3.00	D	03		DIRECTIONAL DRILL F/6480' TO 6557' {100% ROTATION} 500 GPM AT 1500 PSI & 127 RPM'S
	21:15 - 21:30	0.25	D	06		LUBRICATE RIG {FUNCTION UPPER PIPE RAM'S}
	21:30 - 22:00	0.50	D	18		ACCUMULATED SURVEY & CONNECTION TIMES
	22:00 - 00:00	2.00	D	03		DIRECTIONAL DRILL F/6557' TO 6613' {100% ROTATION} 500 GPM AT 1500 PSI & 127 RPM'S
	00:00 - 00:15	0.25	D	18		SAFETY MEETING REVIEWED JSA # 4 & #43 ON SETTING & PULLING SLIPS. REVIEWED JSA # 32 INSPECTING TOP DRIVE.
	00:15 - 01:30	1.25	D	03		REVIEWED JSA #91 WORKING ON PUMPS.
1/9/2010						DIRECTIONAL DRILL F/6613' TO 6650' {100% ROTATION} 500 GPM AT 1500 PSI & 127 RPM'S
	01:30 - 01:45	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIMES
	01:45 - 02:00	0.25	D	06		LUBRICATE RIG {FUNCTION LOWER PIPE RAM'S}
	02:00 - 06:00	4.00	D	03		DIRECTIONAL DRILL F/6613' TO 6725'. 500 GPM AT 1500 PSI & 127 RPM'S SLIDE F/6651' TO 6663', 6681' TO 6691', 6713' TO 6723' {45% SLIDING} {55% ROTATION}
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 11:15	5.00	D	03		DIRECTIONAL DRILL 6725' TO 6841' 500 GPM FOR 1500 PSI 45 RPM SLIDE 6745 TO 6757', 6777 TO 6787', 6808 TO 6816', (18.6%)
	11:15 - 11:30	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, DRAWWORKS AND SWIVEL, FUNCTION UPR 6 SEC TO CLOSE.
	11:30 - 17:30	6.00	D	03		DIRECTIONAL DRILL 6841' TO 6965 500 GPM AT 1500 PSI AND 45 RPM. SLIDE 6841 TO 6851', 6934 TO 6949'. (20.2%) LOOSING ABOUT 30 BBL/HR
	17:30 - 18:00	0.50	D	04		ACCUMULATED SURVEY AND CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED JSA #18 ON SETTING BRAKES, REVIEWED JSA #38 ON OPERATING SKATE,

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/9/2010	18:00 - 18:15	0.25	D	18		REVIEWED JSA #75 ON RELEASE TRAPPED TORQUE
	18:15 - 21:45	3.50	D	03		DIRECTIONAL DRILL F/6965' TO 7026' 500 GPM AT 1500 PSI AND 45 RPM'S. SLIDE F/6965' TO 6977', 6996' TO 7013'. {48% SLIDE}
	21:45 - 22:00	0.25	D	06		LUBRICATE RIG {FUNCTION ANNULAR}
	22:00 - 22:30	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIMES
	22:30 - 00:00	1.50	D	03		DIRECTIONAL DRILL F/7026' TO 7061' 500 GPM AT 1500 PSI AND 45 RPM'S. SLIDE F/7027' TO 7046' {57% SLIDE}
	00:00 - 00:15	0.25	D	18		SAFETY MEETING - REVIEWED JSA #77 ON LOCK OUT/TAG OUT, REVIEWED JSA #4 ON PULLING SLIPS, REVIEWED JSA #90 ON 90' MOUSE HOLE CONNECTIONS, REVIEWED JSA #2 & #45 ON TRIPPING, REVIEWED JSA #3 ON TONGS.
	00:15 - 01:00	0.75	D	08		CIRCULATE & CONDITION FOR TRIP {BHA FAILED TO BUILD ANGLE}
	01:00 - 04:30	3.50	D	04		POOH FROM 7061' TO SURFACE {BREAK BIT & LAYDOWN M.M., PICKUP AND MAKEUP NEW STABILIZED M.M. & SMITH FH28 BIT #7, SERIAL #PK0404}
	04:30 - 04:45	0.25	D	06		LUBRICATE RIG {FUNCTION BLIND RAM'S}
	04:45 - 06:00	1.25	D	05		RIH TURN MUD MOTOR TO 2.12, CHANGE OUT ONE BATTERY IN MWD, ORIENT TOOL FACE
1/10/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING TRIP IN AND INSTALL PIPE SCREEN AT BOARD
	06:15 - 10:00	3.75	D	04		READJUST THE MUD MOTOR TO 1.83 AND RE ALIGN THE MWD. RIH, FILL AT 3800', RIH, FILL AND BREAK CIRCULATION AT 4650'. RIH TO 5719'. PU DRAG WAS 70K OVER WITH NEW BHA.
	10:00 - 12:30	2.50	D	07		WASH AND REAM NEW BHA IN HOLE. 5719 TO 6160'. DP PRESSURED UP WOULD NOT BLEED OFF. PIPE FREE TO RECIPITATE AND ROTATE. APPEARS TO BE MOTOR FAILURE
	12:30 - 14:30	2.00	DT	62		POOH WET TO 4585'. PIPE STILL PLUGGED. FLOW CHECK.
	14:30 - 14:45	0.25	DT	62		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	14:45 - 17:00	2.25	DT	62		POOH WET, F/4585 TO DIRECTIONAL TOOLS, FLOW CHECK, POOH TO SURFACE
	17:00 - 18:00	1.00	DT	62		BREAK BIT, LAYDOWN M.M. AND MONEL DRILL COLLARS {NOTE: MUD MOTOR UNSCREWED BELOW STABILIZER, STATTER CATCHER}
	18:00 - 18:15	0.25	DT	62		CREW CHANGE & SAFETY MEETING, REVIEWED JSA #9 ON PICKING UP DRILL COLLARS
	18:15 - 22:00	3.75	DT	62		STRAP AND PICKUP NEW BHA - RIH WITH BIT, BIT SUB W/FLOAT, 1 X DC, TBR, 2 X DC, TBR, HWDP TO 5219'
	22:00 - 00:00	2.00	DT	62		WASH & REAM F/5219' TO 6300' {NOTE: EASY REAMING} 45 RPM'S AND 500 GPM WITH 1000 PSI. 6000 TORQUE, 5K TO 10K WOB
	00:00 - 00:15	0.25	DT	62		SAFETY MEETING, REVIEWED JSA #4 & #43 ON PULLING SLIPS, REVIEWED JSA #75 ON RELEASING TRAPPED PRESSURE, REVIEWED JSA #22 ON WORKING MONKEY BOARD
	00:15 - 02:30	2.25	DT	62		WASH & REAM F/6300' TO 7061' {NOTE: TORQUE INCREASED FROM AVERAGE 6000 TO 8500 WITH SPIKES OF 12000} 50 RPM'S AND 500 GPM WITH 1000 PSI. 5K TO 10K WOB. OBSERVED LITTLE CUTTINGS ACROSS SHAKER SCREENS
	02:30 - 03:45	1.25	DT	62		PUMP 30 BBL SWEEP. CIRCULATE HOLE CLEAN
	03:45 - 06:00	2.25	DT	62		POOH F/7061' TO 300'. FLOW CHECK @6646', 3451' & 1002'
1/11/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 08:45	2.50	D	04		PICK UP MOTOR, BIT AND MWD. ORIENT AND PROGRAM MWD.
	08:45 - 11:45	3.00	D	04		PU BHA AND RIH, FILL PIPE AND FLOW CHECK AT 2891'. RIH TO

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/11/2010	08:45 - 11:45	3.00	D	04		6193'.
	11:45 - 13:00	1.25	D	07		WASH DOWN 6931 TO 7061'. HAD TO ORIENT MOTOR TO REAM PAST 7014'. 2ND PASS GOOD.
	13:00 - 16:30	3.50	D	03		DIRECTIONAL DRILL 7061 TO 7119'. 500 GPM AT 1500 PSI 45 RPM WHILE ROTATING. SLIDE 7064 TO 7079', 7088 TO 7098'.
	16:30 - 16:45	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	16:45 - 17:00	0.25	D	18		BOP DRILL, 50 SEC TO SECURE WELL.
	17:00 - 17:45	0.75	D	03		DIRECTIONAL DRILL F/ 7119 TO 7151' 500 GPM AT 1550 PSI AND 45 RPM WHILE ROTATING. SLIDE 7119' TO 7134'.
	17:45 - 18:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED JSA #76 ON MAKING 90' CONNECTIONS, REVIEWED JSA #44 ON MAN WINCH OPERATION, REVIEWED JSA # 71 ON CLEANING BELLY PAN {BOP DRILL}
	18:15 - 22:00	3.75	D	03		DIRECTIONAL DRILL F/7151' TO 7211' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7151' TO 7165'
	22:00 - 22:15	0.25	D	06		LUBRICATE RIG {FUNCTION ANNULAR 24 SECONDS TO CLOSE} BOP DRILL
	22:15 - 22:45	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIMES
	22:45 - 00:00	1.25	D	03		DIRECTIONAL DRILL F/7211' TO 7235' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7213' TO 7227'
	00:00 - 00:15	0.25	D	18		SAFETY MEETING AND REVIEWED JSA #37 ON USE OF STINGER, REVIEWED JSA #83 ON MIXING ON MUD TANKS
	00:15 - 03:30	3.25	D	03		DIRECTIONAL DRILL F/7235' TO 7306' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7244' TO 7263', 7276' TO 7295' {54%}
	03:30 - 04:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIMES
	04:00 - 04:15	0.25	D	06		LUBRICATE RIG {FUNCTION UPPER PIPE RAMS 7 SECONDS}
	04:15 - 06:00	1.75	D	03		DIRECTIONAL DRILL F/7306' TO 7340' 500 GPM AT 1500 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7308 TO 7328 (59%)
1/12/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING 90' MOUSE HOLE CONNECTIONS
	06:15 - 12:00	5.75	D	03		DIRECTIONAL DRILL F/ 7340' TO 7436'. 500 GPM AT 1550 PSI 45 RPM WHILE ROTATING. SLIDE 7340 TO 7364', 7370' TO 7395', 7401 TO 7436'. (82.3%)
	12:00 - 12:45	0.75	D	08		PUMP 10 BBL LCM SWEEP AND CIRCULATE BOTTOMS UP FOR TRIP.
	12:45 - 13:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	13:00 - 16:00	3.00	D	04		POOH, FLOW CHECK AT 7401', 7020', 5945', 4630', AT BHA
	16:00 - 17:15	1.25	D	04		CHANGE BITS, BEND MOTOR TO 2.12. REORIENT MWD
	17:15 - 18:00	0.75	D	18		REPAIR RIG {REPLACE KELLY HOSE SAFETY CABLE}
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING REVIEWED JSA #1 ON TRIPPING PIPE, REVIEWED JSA#47 ON PIPE SPINNERS, REVIEWED JSA#43 & #4 ON PULLING & SETTING SLIPS
	18:15 - 21:30	3.25	D	04		RIH WITH SMITH 537 BIT #7 TO 7436' {WASHED LAST 30' TO BOTTOM}
	21:30 - 23:45	2.25	D	03		DIRECTIONAL DRILL F/7436' TO 7493'. 400 GPM AND 1000 PSI AND 50 RPM'S WHILE ROTATING. SLIDE F/7439' TO 7452', 7463' TO 7476' {46% SLIDING}
	23:45 - 00:00	0.25	D	18		ACCUMULATED CONNECTION & SURVEY TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING AND REVIEWED JSA #7 ON PICKING UP PIPE IN

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/12/2010	00:00 - 00:15	0.25	D	18		MOUSE HOLE, REVIEWED JSA #38 ON OPERATING SKATE,
	00:15 - 00:30	0.25	D	06		REVIEWED JSA #6, #59 & #76 ON 90' MOUSE HOLE CONNECTIONS
	00:30 - 05:00	4.50	D	03		LUBRICATE RIG (FUNCTION UPPER PIPE RAM'S, 7 SECONDS) DIRECTIONAL DRILL F/7493' TO 7586'. 400 GPM AND 1000 PSI AND 50 RPM'S WHILE ROTATING. SLIDE F/7495' TO 7508', 7525' TO 7538', 7556' TO 7570' (43% SLIDING)
	05:00 - 05:30	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	05:30 - 06:00	0.50	D	03		DIRECTIONAL DRILL F/7586' TO 7600'. 400 GPM AND 1000 PSI AND 50 RPM'S WHILE ROTATING. SLIDE F/7586' TO 7600' (100% SLIDING)
1/13/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING, STINGER ON LOADER AND 90' MOUSE HOLE CONNECTIONS
	06:15 - 14:45	8.50	D	03		DIRECTIONAL DRILL F/7600' TO 7771' 400 GPM AT 1100 PSI, 500 GPM AT 1565 PSI AND 45 RPM WHILE ROTATING. SLIDE 7619 TO 7633', 7650 TO 7663', 7681 TO 7994', 7710 TO 7722', 7741 TO 7743' (54.97 %)
	14:45 - 15:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	15:00 - 17:30	2.50	D	03		DIRECTIONAL DRILL F/ 7771' TO 7840'. 500 GPM AT 1550 PSI SLIDE 7772 TO 7787', 7803 TO 7818', 7835 TO 7840'. (50.7 %)
	17:30 - 18:00	0.50	D	05		ACCUMULATIVE SURVEY AND CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING, SETTING AND PULLING SLIPS, DRIVING TO AND FROM LOCATION AND WORKING IN MONKEY BOARD.
	18:15 - 19:00	0.75	D	03		DIRECTIONAL DRILL F/7840' TO 7864' 495 GPM AT 1543 PSI AND 45 RPM WHILE ROTATING.
						SLIDE F/7835' TO 7848' (54.1%).
	19:00 - 19:15	0.25	D	06		LUBRICATE RIG (FUNCTION UPPER PIPE RAM'S, 7 SECONDS).
	19:15 - 19:45	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME.
	19:45 - 00:00	4.25	D	03		DIRECTIONAL DRILL F/ 7864' TO 7969'. 495 GPM @ 1721 PSI. SLIDE F/7865' TO 7877', 7896' TO 7910', 7928' TO 7946' (42.30%) MUD UP AT 8000'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING, MAN WINCH, CHEMICAL MIXING & BATTERY MAINTENANCE.
	00:15 - 04:15	4.00	D	03		DIRECTIONAL DRILLING F/7969' TO 8050'. 495 GPM AT 1720 PSI AND 45 RPM WHILE ROTATING. SLIDE F/7959' TO 7974', 7990' TO 8004', 8021' TO 8033' (50.61%)
	04:15 - 04:30	0.25	D	06		LUBRICATE RIG (FUNCTION ANNULAR 24 SECONDS).
	04:30 - 05:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME.
1/14/2010	05:00 - 06:00	1.00	D	03		DIRECTIONAL DRILLING F/8050' TO 8070'. 495 GPM AT 1694 PSI AND 45 RPM WHILE ROTATING. SLIDE F/8051' TO 8059' (40.0%).
	06:00 - 06:15	0.25	D	18		CREW CHANGE AND SAFETY MEETING
	06:15 - 07:45	1.50	D	03		DIRECTIONAL DRILL F/ 8070' TO 8114'. 500 GPM AT 1660 PSI AND 45 RPM WHILE ROTATING. SLIDE 8177 TO 8192',
	07:45 - 08:00	0.25	D	18		PULL ROTATING RUBBER ON STAND OF HEAVIER PIPE.
	08:00 - 15:00	7.00	D	03		DIRECTIONAL DRILL F/ 8114' TO 8240'. 500 GPM AT 1700 PSI AND 45 RPM ROTATING.
	15:00 - 15:15	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE, SWIVEL AND DRAWWORKS
	15:15 - 15:45	0.50	D	03		DIRECTIONAL DRILL F/ 8240 TO 8245'. 500 GPM AT 1740 PSI AND 45 RPM ROTATING. SLIDE 8240 TO 8245',
	15:45 - 16:30	0.75	D	08		CIRCULATE BOTTOMS UP FOR TRIP, PUMP SLUG
	16:30 - 17:30	1.00	D	04		TRIP FOR BIT F/ 8245' TO 5220'. FLOW CHECKS AT 8240' AND 7760'

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/14/2010	16:30 - 17:30	1.00	D	04		NO FLOW.
	17:30 - 18:00	0.50	D	05		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING, TRIPPING OUT OF HOLE, USE OF TONGS, SETTING AND PULLING SLIPS.
	18:15 - 20:30	2.25	D	04		TRIP FOR BIT F/ 5220' TO BIT. FLOW CHECK AT 4061' AND 970' NO FLOW. CHANGE OUT BIT.
	20:30 - 21:45	1.25	D	05		CHANGE OUT MWD BATTERIES. ORIENT MWD TOOL.
	21:45 - 23:15	1.50	D	04		TRIP IN HOLE W/ DIRECTIONAL TOOLS TO 4918'.
	23:15 - 23:30	0.25	D	04		FILL PIPE.
	23:30 - 00:00	0.50	D	04		TRIP IN HOLE F/ 4918' TO 6409'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING, TRIPPING IN, SPINNER USE AND WORKING AROUND BOP'S.
	00:15 - 01:15	1.00	D	04		TRIP IN HOLE F/ 6409' TO 8245' WASH LAST 3 JOINTS TO BOTTOM.
	01:15 - 05:45	4.50	D	03		DIRECTIONAL DRILL F/8245' TO 8300'. 447 GPM AT 1400 PSI AND 45 RPM ROTATING. SLIDE 8245' TO 8258', 8272' TO 8288'.
	05:45 - 06:00	0.25	D	06		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #53
	06:15 - 09:00	2.75	D	03		DRIVING CREW TRUCK
1/15/2010	09:00 - 09:15	0.25	D	18		DIR. DRILL 8 3/4" HOLE F/ 8300' - 8335' 12.72' / HR. SLIDE F/ 8304' - 8320'
	09:15 - 16:45	7.50	D	03		BOP DRILL WELL SECURE IN 91 SEC'S
	16:45 - 17:00	0.25	D	06		DIR. DRILL F/ 8335' - 8431' 12.8' / HR. SLIDE F/ 8335' - 8431', 8367' - 8387', 8398' - 8415'
	17:00 - 18:00	1.00	D	05		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	18:00 - 18:15	0.25	D	18		ACC. CONNECTION & SURVEY TIME
	18:15 - 23:30	5.25	D	03		CREW CHANGE OUT. SAFETY MEETING JSA #6 MH CONN. W/ DP. DIRECTIONAL DRILL 8 3/4" HOLE F/8431' TO 8510'. DRLD 79' @ 15.04 FPH. SLIDE F/8462' TO 8475', 8492' TO 8505'.
	23:30 - 23:45	0.25	D	06		SERVICE RIG.
	23:45 - 00:00	0.25	D	05		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON HOUSE KEEPING.
	00:15 - 06:00	5.75	D	03		DIRECTIONAL DRILL 8 3/4" HOLE F/8510' TO 8590. DRLD 80' @ 13.91 FPH. SLIDE F/8524' TO 8539', 8555' TO 8572.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING WEEK END AWARENESS
	06:15 - 16:00	9.75	D	03		DIR. DRILL 8 3/4" HOLE F/ 8590' - 8711' 12.41' / HR. SLIDE F/ 8587' - 8601', 8617' - 8632', 8650' - 8665', 8681' - 8695'
	16:00 - 16:15	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C / O 7 SEC'S
	16:15 - 17:00	0.75	D	03		DIR. DRILL F/ 8711' - 8732' 28' / HR. SLIDE F/ 8712' - 8732'
1/16/2010	17:00 - 18:00	1.00	D	05		ACC. SURVEY & CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON MIXING CAUSTIC AND TRIPPING OUT.
	18:15 - 20:30	2.25	D	03		DIRECTIONAL DRILLING 8 3/4" F/8732' TO 8755'. SLIDING F/8732' TO 8755' (100%).
	20:30 - 21:15	0.75	D	08		CIRCULATE AND CONDITION MUD. PUMP SWEEP.
	21:15 - 23:45	2.50	D	04		TOOH F/8755' TO 3427'. FLOW CHECKS @ 8740', 8320', 7855', 4528' AND 3427' NO FLOW.
	23:45 - 00:00	0.25	D	06		SERVICE RIG, SERVICE BLOCKS, TOP DRIVE SWIVEL AND DRAW WORKS. FUNCTION ANN. 26 SEC.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON TRIPPING OUT AND IN THE HOLE, LAY DOWN MUD MOTOR AND SLIP AND CUTTING.
	00:15 - 01:30	1.25	D	04		TOOH F/3427' TO BIT.
	01:30 - 03:00	1.50	D	04		LAY DOWN MUD MOTOR AND BIT. PICK UP NEW MUD MOTOR

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/16/2010	01:30 - 03:00	1.50	D	04		AND BIT. OREINT DIRECTIONAL TOOL.
	03:00 - 03:15	0.25	D	06		SERVICE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL AND DRAW WORKS. FUNCTION BLINDS 7 SEC.
	03:15 - 04:45	1.50	D	04		TIH F/DIRECTIONAL TOOLS TO 4707'. FLOW CHECK WHEN BIT WAS OUT OF HOLE AND 4704' NO FLOW.
	04:45 - 05:30	0.75	D	06		SLIP AND CUT DRILL LINE.
1/17/2010	05:30 - 06:00	0.50	D	04		TIH F/4707' TO 5700'.
	06:00 - 06:30	0.50	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #1 TRIPPING IN HOLE
	06:30 - 08:30	2.00	D	04		CONT. RUN IN HOLE F/ 5700' - 8660' WASH LAST STD. TO BTM. 3' FILL
	08:30 - 13:15	4.75	D	03		DIR. DRILL 8 3/4" HOLE F/ 8755' - 8805' 10.52' / HR. HAD 352 UNITS GAS FROM BTMS. UP SLIDE F/ 8757' - 8774', 8777' - 8797'
	13:15 - 13:30	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	13:30 - 17:15	3.75	D	03		DIR. DRILL F/ 8805' - 8853' 12.8' / HR. BGG 60 - 65 UNITS
						SLIDE F/ 8805' - 8825', 8838' - 8852'
	17:15 - 18:00	0.75	D	05		ACC. SURVEY & CONNECTION TIME CURENTLY HAVE 6 PPB
						SEAL AX WAX IN MUD SYSTEM
	18:00 - 18:15	0.25	D	18		CREW CHANGE & HAND OVER. SAFETY MEETING ON WEEKEND AWARENESS AND WORK ON PUMPS.
	18:15 - 23:00	4.75	D	03		DIRECTIONAL DRILL 8 3/4" HOLE F/8853' TO 8924'. DRLD 71' @ 14.95 FPH. SLIDE F/8900' TO 8909' (13%).
	23:00 - 23:15	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE AND SWIVEL. FUNCTION PASON CHOKE.
	23:15 - 00:00	0.75	DT	18		RIG REPAIRS. WORK ON #1 AND #2 PUMPS SUCTION PLUGGED.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON TRIPPING OUT AND MAKING UP PIPE.
	00:15 - 01:00	0.75	D	03		DIRECTIONAL DRILL 8 3/4" HOLE F/8924' TO 8932' DRLD 8' @ 10.67 FPH.
1/18/2010	01:00 - 01:15	0.25	D	06		SERVICE TOP DRIVE GRABBER. FUNCTION HCR 2 SECONDS.
	01:15 - 02:15	1.00	D	04		MAKE TWO WIPPER TRIPS F/8932' TO 8622'.
	02:15 - 05:30	3.25	D	03		DIRECTIONAL DRILL 8 3/4" HOLE F/ 8932' TO 8988' DRLD 56' @ 17.22 FPH. SLIDE F/8932' TO 8938' (11%).
	05:30 - 05:45	0.25	D	09		BOP DRILL WELL SECURE ALL MEN IN PLACE IN 45 SECONDS.
	05:45 - 06:00	0.25	D	05		ACCUMULATED SURVEYS AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #7 STINGER USE
	06:15 - 12:15	6.00	D	03		DIR. DRILL 8 3/4" HOLE F/ 8988' - 9086' 16.33' / HR. BGG 70 UNITS CONNECTION GAS 233 UNITS SLIDE F/ 9026' - 9037', 9058' - 9070'
	12:15 - 12:30	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	12:30 - 17:00	4.50	D	03		DIR. DRILL F/ 9086' - 9172'. DRLD 86' @ 19.11 FPH. SLIDE F/9121' TO 9133' (SLIDE 12' 14%).
	17:00 - 18:00	1.00	D	05		ACC. SURVEYS AND CONECTION TIME.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TOP DRIVE CONN. W/3 JOINTS OF PIPE.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9172' TO 9278'. DRLD 106' @ 20.19 FPH. SLIDE F/9246' TO 9253' (SLIDE 7' 6%).
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG BLOCKS TOP DRIVE SWIVEL DRAW WORKS. FUNCTION ANN. 26 SEC.
	23:45 - 00:00	0.25	D	05		ACC. SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON HOUSE KEEPING.
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9278' TO 9365'. DRLD 87' @ 16.57 FPH. SLIDE F/9010' TO 9019', 9340' TO 9345' (SLIDE 14' 16%).

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/18/2010	05:30 - 05:45	0.25	D	06		LUBRICATE RIG. FUNCTION PASON CHOKE.
	05:45 - 06:00	0.25	D	05		ACC. SURVEYS AND CONNECTION TIME.
1/19/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #70 DI - ICEING MATTING
	06:15 - 11:00	4.75	D	03		DIR. DRILL 8 3/4" HOLE F/9365' - 9465' 21.05' / HR. SLIDE F/9410' - 9417', 9437' - 9442' BGG 53 UNITS CONN. GAS 1218 UNITS 70 - 75K OVER PULL ON CONNECTIONS ROTARY TORQUE 13 - 15K
	11:00 - 11:15	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C / O 23 SEC'S
	11:15 - 12:45	1.50	D	03		DIR. DRILL F/9465' - 9498' 14.66' / HR. BGG 128 UNITS CONN. GAS 656 UNITS
	12:45 - 13:30	0.75	DT	64		ATTEMPT TO SURVEY AT 9498 EM TOOL STOPPED TRANSMITTING RERUN SURVEYS AT 9468' AND 9438' NO SUCCESS RUN BACK TO BTM.
	13:30 - 14:15	0.75	DT	64		CIRC. BTMS. UP
	14:15 - 17:45	3.50	DT	64		POH F/9498' UP 9255' 93 - 106K OVERPULL CONT. POH TAKE REQUIRED FLOW CK'S
	17:45 - 18:00	0.25	D	05		ACC. SURVEY TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TRIPPING OUT AND IN, PULLING AND SETTING SLIPS, WORKING BOARD AND HANDLING BHA.
	18:15 - 19:30	1.25	D	04		TOOH F/2000' TO DIRECTIONAL TOOLS. FLOW CHECK @ 973' NO FLOW, ON BANK WITH BIT.
	19:30 - 21:00	1.50	D	04		BREAK DOWN MWD TOOL CHANGE OUT TRANSMITTER, BREAK BIT, MAKE UP NEW BIT.
	21:00 - 22:45	1.75	D	04		TIH F/BIT TO 4680'. FLOW CHECKS @ BANK & 4680' NO FLOW.
	22:45 - 23:00	0.25	D	06		LUBRICATE RIG, SERVICE BLOCKS, TOP DRIVE & FUNCTION BLINDS 7 SEC.
	23:00 - 00:00	1.00	D	04		TIH F/4680' TO 7700'. FLOW CHECK @ 7700' NO FLOW. FILL PIPE @ 7700'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING REVIEWED JSA 3'S 1,3,4,25 & 63.
	00:15 - 01:00	0.75	D	04		TRIP IN HOLE F/7700' TO 9125'.
	01:00 - 02:00	1.00	D	07		WASH F/9125' TO 9498' (BOTTOM).
	02:00 - 02:15	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL. FUNCTION PASON CHOKE.
	02:15 - 06:00	3.75	D	03		DIR. DRILL 8 3/4" HOLE F/9498' TO 9562'. DRLD 64' @ 17.06 FPH.
1/20/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #89
	06:15 - 13:15	7.00	D	03		GREASING CROWN & BLOCKS DIR. DRILL 8 3/4" HOLE F/9562' - 9654' 13.14' / HR. BGG 150 UNITS CONN. GAS 358 UNITS SLIDE F/9562' - 9573', 9594' - 9604'
	13:15 - 13:30	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	13:30 - 17:15	3.75	D	03		DIR. DRILL F/9654' - 9710' 14.93' / HR. BGG 164 UNITS CONN. GAS 268 UNITS SLIDE F/9656' - 9663'
	17:15 - 18:00	0.75	D	18		ACC. CONNECTION TIME
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON DE-ICING MATTING.
	18:15 - 20:45	2.50	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9710' TO 9751'. DRLD 41' @ 16.4 FPH. CONN. GAS 337 UNITS. SLIDE F/9719' TO 9726' (17%).
	20:45 - 21:00	0.25	D	06		LUBRICATE RIG. SERVICE DRAWWORKS, TOP DRIVE ROTORY TABLE & FUNCTION UPR 7 SEC.
	21:00 - 23:45	2.75	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9751' TO 9783'. DRLD 32' @ 11.64 FPH. CONNECTION GAS 337 UNITS. SLIDE F/9751' TO 9760' (28%).

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/20/2010	23:45 - 00:00	0.25	D	18		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON WORKING ON PUMPS & LOCK OUT AND TAG OUT.
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING 8 3/4" HOLE F/9783' TO 9845'. DRLD 62' @ 11.80 FPH. CONNECTION GAS 318 UNITS. SLIDE F/9782' TO 9791' & 9814' TO 9824' (31%).
	05:30 - 05:45	0.25	D	06		LUBERCATE RIG. FUNCTION PASON CHOKE.
1/21/2010	05:45 - 06:00	0.25	D	18		ACCUMULATIVE SURVEYS AND CONNECTION TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRE TOUR SAFETY MEETING JSA #19 DRIVING TO & FROM WORK
	06:15 - 13:15	7.00	D	03		DIR. DRILL 8 3/4" HOLE F/9845' - 9939' 13.42' / HR. SLIDE F/9877' - 9889', 9908' - 9921' BGG 350 - 360 UNITS CONN. GAS 1375 UNITS
	13:15 - 13:30	0.25	D	06		RIG SER. FUNCTION HCR VALVE O / C 3 SEC'S
	13:30 - 17:30	4.00	D	03		DIR. DRILL F/9939' - 9985' 11.5' / HR. SLIDE F/9940' - 9952', 9973' - 9985' BGG 283 UNITS
	17:30 - 18:00	0.50	D	05		ACC. CONNECTION & SURVEY TIME STRG. WT 238K STRG. WT. UP 360K STRG. WT. DN. 190K STRG. WT. ROTATING UP 320K
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON SAFETY STAND DOWN, MH CONN. & DRIVING CREW TRUCK.
	18:15 - 21:45	3.50	D	03		DIRECTIONAL DRILL F/9985' TO 10,035'. DRLD 50' @ 14.28 FPH. SLIDE F/10,005' TO 10,020' (30%).
	21:45 - 22:00	0.25	D	06		LUBRICATE RIG. SERVICE TOP DRIVE, BLOCK SWIVEL, DRAW WORKS & FUNCTION HCR FOR 2 SECONDS.
	22:00 - 23:45	1.75	D	03		DIRECTIONAL DRILL F/10,035' TO 10,061'. DRLD 26' @ 14.85 FPH. SLIDE F/10,035' TO 10,049' (54%).
	23:45 - 00:00	0.25	D	05		ACC. SURVEYS & CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON DRIVING TO AND FROM LOCATION & MAKE UP CONN.
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILL F/10,061' TO 10,129'. DRLD 68' @ 12.95 FPH. SLIDE F/10,066' TO 10,080' & 10,098' TO 10,113' (43%).
	05:30 - 05:45	0.25	D	06		LUBRICATE RIG. FUNC. UPR.7 SEC.
1/22/2010	05:45 - 06:00	0.25	D	05		ACC. CONNECTION & SURVEY TIME.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #37 USE OF STINGER ON LOADER
	06:15 - 13:45	7.50	D	03		DIR. DRILL 8 3/4" HOLE F/10129' - 10195' CASG. PT. 8.8' / HR. BGG 135 UNITS CONN. GAS 1020 UNITS SLIDE F/10129' - 10144', 10161' - 10169'
	13:45 - 14:30	0.75	D	08		CIRC. BTMS. UP ADD 5 SX COURSE DRILL BEADS WHILE CIRC. BTMS. UP
	14:30 - 17:45	3.25	D	04		POH STRAP OUT HAD 119 - 150K OVER PULL FOR FIRST 3 STD'S PULL UP TO 7764' PUMP TRIP PILL CONT. POH TAKE REQUIRED FLOW CK'S @ 9949' & 7653'.
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG. FUNC. UPR 7 SEC.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TRIPPING OUT & IN, USE OF TONGS, PIPE SPINNER, WORKING AT BOARD, HANDLING BHA LD MOTOR WITH TD OPERATING SKATE.
	18:15 - 20:45	2.50	D	04		POOH F/3985' TO DIRECTIONAL TOOLS. FLOW CHECK. BHA ON THE BANK.
	20:45 - 21:30	0.75	D	05		LAY DOWN DIRECTIONAL TOOLS.
	21:30 - 21:45	0.25	D	06		LUBERCATE RIG. ADJUST BRAKES, SERVICE DRAW WORKS & FUNC. BLIND RAMS 7 SEC.

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/22/2010	21:45 - 00:00	2.25	D	04		PU BHA #15. TIH TO 3190'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING TRIPPING IN, INSTALLING SCREEN @ BOARD & RELEASING TRAPPED TORQUE.
	00:15 - 02:00	1.75	D	04		TIH F/3190' TO 7965'. FLOW CHECK @ 3190' & 7965' NO FLOW.
	02:00 - 05:15	3.25	D	07		REAM DOG LEGS F/7965' TO 9003'.
	05:15 - 05:30	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL & FUNC. TRP 7 SEC.
1/23/2010	05:30 - 06:00	0.50	D	07		REAM DOG LEGS F/9003' TO 9095'.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #76 MAKING 90' MOUSE HOLE CONNECTIONS
	06:15 - 10:45	4.50	D	07		CONT. WASHING & REAMING F/ 9190' - 10195' REAM EACH STD. TWICE BEFORE MAKING CONNECTION
	10:45 - 13:15	2.50	D	08		CIRC. COND. MUD & HOLE ADDED 10 SX DRILL BEADS AT 5 MIN. / SX THRU PILL TANK CONTINUALLY WORKING & ROTATING DP TO DETERMINE WHERE TORQUE & HOLE DRAG DECREASED AS PILL CAME UP HOLE CIRCULATED DRILL BEADS BACK TO SURFACE WITH NO NOTICEABLE DECREASE IN TORQUE OR DRAG MIX 10 SX DRILL BEADS IN 35 BBLs DRLG. MUD SPOTTED F/ 9136' UP 8438' (AREA WITH 9" DOG LEGS)
	13:15 - 17:45	4.50	D	04		POH PUMPED & BACK REAMED F/ 10195' UP TO 9928' PULLED UP TO 380K (135K OVER PULL FOR FIRST 3 STD'S)
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG. FUNC. LPR 7 SEC.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON HANDLING BHA, RU LOGGERS & LOGGING, USE OF SPINNER, TONGS & WORKING BOARD.
	18:15 - 19:30	1.25	D	04		POOH F/400' TO BIT.
	19:30 - 19:45	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE SWIVEL & FUNC. BLINDS 7 SEC.
	19:45 - 00:00	4.25	D	11		RUN OPEN HOLE LOGS W/HALLIBURTON F/ 10190' TO SURFACE. HOLD SAFETY MEETING, R/U LOGGERS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON USE OF TONGS, USE OF SPINNER, PULLING AND SETTING SLIPS, WORKING BOARD, TRIPPING IN, HANDLING BHA & SLIP AND CUT.
	00:15 - 01:15	1.00	D	11		RUN OPEN HOLE LOGS W/HALLIBURTON F/ 10190' TO SURFACE.
	01:15 - 01:45	0.50	D	11		RIG DOWN OPEN HOLE LOGGERS.
	01:45 - 02:00	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS, TOP DRIVE. SWIVEL, DRAW WORKS. FUNC. BLIND RAMS 7 SEC.
	02:00 - 04:00	2.00	D	04		TIH F/BIT TO 4586'. FLOW CHECK ON BANK & 4586' NO FLOW. FILL PIPE AT 4586'.
	04:00 - 04:15	0.25	D	06		LUBRICATE RIG. REPLACE DRILLING LINE CLAMPS ON DRUM.
	04:15 - 05:30	1.25	D	18		SLIP AND CUT DRILL LINE.
	05:30 - 06:00	0.50	D	04		TIH F/4586'
1/24/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 07:15	1.00	D	04		CONT. RIH F/ 6286' - 8067'
	07:15 - 08:30	1.25	D	08		CIRC. BTMS. UP HAD 1572 UNITS GAS ON BTMS. UP
	08:30 - 09:15	0.75	D	04		CONT. RIH F/ 8067' - 9971'
	09:15 - 10:00	0.75	D	07		WASH & REAM F/ 9971' - 10195' NO NOTICEABLE FILL ON BTM. 16 - 20K TORQUE WHILE CLEANING TO BTM.
	10:00 - 11:45	1.75	D	08		CIRC. 2X BTMS. UP HAD 2250 UNITS GAS ON BTMS. UP BGG 97 UNITS
	11:45 - 13:00	1.25	D	08		PULL 5 STD'S DP FLOW CK. MIX 10 SX DRILL BEADS IN 35 BBLs. DRLG. MUD SPOT PILL F/ 9136' UP TO 8438' (AREA WITH 9" DOG LEGS)

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/24/2010	13:00 - 01:30	12.50	D	04		POH LAYING DOWN DP AND BHA.
	01:30 - 02:30	1.00	D	18		PULL WEAR BUSHING.
	02:30 - 02:45	0.25	D	06		LUBRICATE RIG. SERVICE BLOCKS TOP DRIVE SKATE
	02:45 - 04:30	1.75	D	18		DROWWORKS. FUNC. BLINDS 7 SEC.
	04:30 - 06:00	1.50	D	12		HOLD SAFETY MEETING. R/U TESCO.
1/25/2010	06:00 - 06:15	0.25	D	12		RUNNING P-110 8-RD 29.0# CASING.
	06:15 - 18:00	11.75	D	12		HAND OVER & PRETOUR SAFETY MEETING JSA #13 RUNNING CASG. CONT. RUNNING 7" CASG. F/ 358' - 7759' FILL CASG. EVERY 20 JTS. ATTEMPT TO CIRC. BTMS. UP AT CASG. SHOE LOST 59 BBLs. DRLG. MUD IN 20 MINS. AFTER BRK'G CIRC. SHUT DOWN PUMP CONT. RUNNING CASG.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING, RUNNING CASING,
	18:15 - 22:30	4.25	D	12		SETTING AND PULLING SLIPS, OPERATING SKATE.
	22:30 - 06:00	7.50	D	12		CONT RUNNING CASING F/ 7759', FILL CASING EVERY 20 JOINTS. RUN AT 60 TO 90 SEC PER JOINT. CHECK PU WEIGHT, 264K AT 7997' W/ 182K HL, 291K AT 8723' W/ 190K HL AND 161 S/O. 338K AT 9581' W/ 195K HL AND 141 S/O. LITTLE OR NO RETURNS RUNNING IN. RAN FLOAT SHOE, #1 JOINT, FLOAT COLLAR AND 250 MORE JOINTS FOR 10,144.73' OF 7" 29# HCP-110 LTC CASING. TORQUE TO 7970 OPTIMUM. THREAD LOCK SHOE #1 JOINT AND FLOAT COLLAR, CENTRILIZERS ON FIRST 3 JOINTS WITH STOP COLLARS AND NEXT 122 JOINTS LOOSE ON THE PIPEBODY. PU JOINT #252. BREAK CIRCULATION, ADD LCM, WORK PIPE AND REGAIN CIRCULATION. LOST APPROXIMATELY 200 BBL. WASH CASING DOWN TO 10175'. NOT ENOUGH HOLE TO USE MANDREL HANGER. PULLED TO 450K TO PULL JOINT FROM HOLE. RIG DOWN TESCO AND PU LONG BALES AND 350 TON ELEVATORS. RU SWEDGE AND CIRCULATE AND WASH ON JOINT. PU UP TO 440K,(300 TO 350 UNTIL IT HANGS UP) S/O 210K TO 180K. COULD NOT WASH BELOW 10175'. RU SCHLUMBERGER HEAD AND CIRCULATE TO CEMENT. MAX GAS WAS 1157 UNITS.
1/26/2010	06:00 - 06:15	0.25	D	14		HAND OVER & PRETOUR SAFETY MEETING JSA 81 CEMENTING/16 NIPPLE UP BOPE.
	06:15 - 07:00	0.75	D	08		RIG IN SCHLUMBERGER PLUG LOADING HEAD & CMT. LINES CONT. CIRC. CASG.
	07:00 - 07:30	0.50	D	15		HOLD SAFETY MEETING BATCH MIX MUD PUSH II
	07:30 - 10:00	2.50	D	14		CMT'D CASG. WITH 20 BBLs. 10.5 # MUD PUSH II FOLLOWED BY 204 BBLs. 11.0 # EXTENDED LEAD CMT. FOLLOWED BY 104.5 BBLs. 12.5 # INTERMEDIATE CMT. (CMT. VOLUMES BASED ON CALIPER LOG, PLUS 35% EXCESS) DISPLACED CMT. W/ 10 BBLs. FRESH WATER & 367.2 BBLs. PIT WATER GOOD RETURNS THRU OUT CMT'G & DISPLACING OVER DISPLACED BY 1 BBL. DID NOT BUMP PLUG FLOATS HELD OK HAD 10 BBLs. CMT. FOR RETURNS PLUG DOWN @ 0951 HRS. JAN. 25 / 2010 SHOE @ 10169' FC @ 10123'
	10:00 - 11:00	1.00	D	14		RIG OUT SCHLUMBERGER FLUSH BOP STACK
	11:00 - 13:30	2.50	D	10		REMOVE FLOW LINE, KILL & CHOKE LINES FROM BOP STACK PREPARE TO LIFT BOP
	13:30 - 14:00	0.50	D	10		RIG IN BOP HYDRAULIC LIFTING UNIT HOLD OPERATIONAL & SAFETY MEETING
	14:00 - 18:00	4.00	D	09		LIFT BOP INSTALL SLIP & SEAL ASSEMBLY SET SLIPS W/ 200K CUT OFF 7" CASG. & REMOVE 13 5/8 5K X 13 5/8 10K C SECTION

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/26/2010	14:00 - 18:00	4.00	D	09		MAKE FINAL CUT & DRESS CASG. INSTALL 13 5/8 5K X 7 1/16 10K TUBING SPOOL & 7 1/16 10K X 13 5/8 10K DSA
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING, NIPPLE UP BOPE.
	18:15 - 04:00	9.75	D	15		RIG DOWN BOP WENCHES, RD CASING ELEVATORS AND BALES. TIGHTENING BOLTS ON STACK AND WELLHEAD, TEST 7" CASING PACK OFF TO 5000 PSI. WELDERS REPAIR PUMP DISCHARGE AND REWELD FLANGE ON FLOWLINE. CHANGE PIPE RAMS TO 4". NIPPLE UP CHOKE LINE TO STACK.
	04:00 - 06:00	2.00	D	09		SAFETY MEETING. TEST CHOKE MANIFOLD TO 10K PSI. PU SUBS AND SINGLE AND TEST PLUG TO TEST STACK AND SURFACE EQUIPMENT.
1/27/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #82 PRESS. TESTING
	06:15 - 18:00	11.75	D	09		FINISH PRESS. TESTING CHOKE MANIFOLD VALVES INSTALL TEST PLUG IN WELL HEAD PRESS. TEST UPPER PIPE RAMS OK
						UNABLE TO PRESS. TEST BTM. PIPE RAMS GOOD ON LOW TEST BUT WILL NOT HOLD MORE THAN 2K PSI ON HIGH PRESS.
						TEST ANNULAR TO 250 PSI LOW & 4K HIGH ALL TESTS ON RAMS 250 LOW & 10K HIGH 10 MIN. DURATION PRESS. TEST STABBING VALVE, INSIDE BOP, UPPER & LOWER TOP DRIVE VALVES & MUD LINE BACK TO MUD MANIFOLD TEST PRESS. 250 PSI LOW & 5000 PSI HIGH 10 MIN. DURATION
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #82 PRESS. TESTING
	18:15 - 00:00	5.75	DT	09		CHECKED LENGTH OF XO'S BELOW LOWER PIPE RAMS. THEY ARE TOO LONG, WEATHERFORD TO HAVE NEW XO MADE. SET TOP DRIVE DP MAKE UP TO 22K AND ROTATION MAX TO 19K FOR XT-39 CONNECTIONS. TEST 7" CASING TO 2500 PSI FOR 30 MINUTES. TEST 9 5/8" X 13 3/8" ANNULUS. PRESSURED UP TO 500 PSI. BROKE BACK AND NOW WILL BLEED TO ZERO. TEST BLIND RAMS TO 250 LOW. TEST TRUCK BROKE DOWN. PULL TEST PLUG. RECIEVED NEW XO TO TEST LPR.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING PICK UP DP, USE OF SLIPS AND TONGS, SPINNER AND SKATE.
	00:15 - 03:00	2.75	D	04		PU 36 JOINTS 4" SWDP. POOH AND STAND IN DERRICK WHILE WAITING ON TEST UNIT.
	03:00 - 06:00	3.00	D	09		RETURN TO TESTING BOPE. MAKE UP NEW XO ON DP AND TEST PLUG. TEST LOWER PIPE RAMS 250 LOW. AND ATTEMPTING TO TEST TO 10K HIGH. TEST PLUG LEAKING. LEFT TO DO: TEST HCR AND KILL LINE AGAINST THE UPR. TEST BLIND RAMS TO 250 LOW AND 10K HIGH.
						HAND OVER & PRETOUR SAFETY MEETING PICKING UP DIRECTIONAL TOOLS
1/28/2010	06:00 - 06:15	0.25	D	18		FINISH PRESS. TESTING BLIND RAMS, BOTH INNER & OUTER CHOKE & KILL LINE VALVES TEST PRESS. 250 PSI LOW & 10K HIGH 10 MIN. DURATION CONDUCT 5 FUNCTION TEST W/ ACCUMULATOR SHUT OFF FINAL ACC. PRESS. 1350 PSI RECHARGE TO 3000 PSI IN 2 MIN. 50 SEC'S
	09:00 - 13:00	4.00	D	04		MAKE UP 6 1/8" ULTERRA 1355 BIT, 4 3/4" WENZEL 7/8 LOBE 2.2 STAGE MOTOR (.56 RPG) SET AT 1.5"
	13:00 - 18:00	5.00	D	04		RIH W/ 36 JTS. 4" SWDP & 4" 14# S 135 XT39 DRILL PIPE (FILL DP EVERY 3000') to 3840'.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING PICKING UP DRILL

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/28/2010	18:00 - 18:15	0.25	D	18		PIPE
	18:15 - 19:00	0.75	D	04		RIH TO 4900'.
	19:00 - 20:00	1.00	D	09		SCHLUMBERGER RIGGED UP AND PERFORM 13 3/8" X 9 5/8" ANNULUS INJECTION TEST. PUMPED IN 9 BBL FRESH WATER WITH NO PRESSURE. CAUGHT PRESSURE AND PUMPED UP TO 1700 PSI AT 10 BBL. (1 MORE). CONTINUED ATTEMPT TO BREAK DOWN ANNULUS BY BUMPING PRESSURE TO 1900 PSI (70% BURST OF 13 3/8") PUMPED AWAY 1 MORE BBL IN 45 MINUTES. DISCUSSED THIS WITH DENVER AND THEY TALKED TO DENNIS INGRAM OF UTAH DNR. RECIEVED APPROVAL TO CONTINUE DRILLING OPERATIONS. BLEED OFF PRESSURE AND RIG DOWN SCHLUMBERGER.
	20:00 - 20:30	0.50	D	04		CONTINUE TO PU DP, 4900 to 5510'.
	20:30 - 20:45	0.25	D	06		LUBRICATE RIG SERVICE DRAWWORKS, FUNCTION LPR 7 SEC TO CLOSE
	20:45 - 21:15	0.50	DT	60		REPAIR DRILLERS PANEL
	21:15 - 02:45	5.50	D	04		CONTINUE TO RIH, PU DP 5510 TO 10064'. FILL PIPE AT 6742' and 10055'. PUT MORE DP ON RACK AND TALLEY. PU DP. TAG UP AT 10082'.
	02:45 - 04:30	1.75	D	13		CIRCULATE HOLE TO 9.1 PPG MUD AND DRILL CEMENT. FOUND RUBBER PLUG CLOSE TO TOP OF FLOAT COLLAR. PLUG AT 10127', FC AT 10130' AND SHOE AT 10175'. DRILLED 10'.
	04:30 - 05:30	1.00	D	08		CIRCULATE AND CONDITION HOLE FOR FIT AT 10185' MD AND 9531' TVD.
	05:30 - 06:00	0.50	D	09		RIG WEATHERFORD TEST UNIT UP TO FIT. CHECK HOLE FLUID LEVEL. TIE IN AT TUBING HANGER CLOSE PIPE RAMS.
1/29/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:45	0.50	D	09		CONDUCT F I T MUD DENSITY 9.1 PPG ADDED SURFACE PRESS. 2400 PSI EQUALS LEAK OFF GRAD. OF .72 PSI / FT OR 13.94 PPG DRLG. MUD
	06:45 - 09:30	2.75	D	03		DIR. DRILL 6 1/8" HOLE F/ 10195' - 10249' 19.63' / HR. BGG 41 UNITS
	09:30 - 09:45	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C / O 7 SEC'S
	09:45 - 10:15	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	10:15 - 16:00	5.75	D	03		DIR. DRILL F/ 10249' - 10354' 18.26' / HR. BGG 41 UNITS SLIDE F/ 10344' - 10354'
	16:00 - 17:00	1.00	DT	18		PULLED 2 STD'S UP INTO CASG. SHOE SHUT IN & SECURE WELL SCI WELDING WELDED ON HANGING EYES ON CATCH PAN TO ATTACH KATCH CAN SYSTEM RUN IN 2 STD'S TO BTM.
	17:00 - 18:00	1.00	D	03		DIR DRILL 10354' TO 10365' 11'/HR BGG 41 UNITS MW 9.2 PPG
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSE HOLE, OPERATING SKATE, RELEASE TRAPPED TORQUE.
	18:15 - 22:15	4.00	D	03		DIR DRILL 10365' TO 10441'. 19'/HR BGG 38 UNITS MW 9.2 PPG SLIDE 10379 TO 10388'.
	22:15 - 22:30	0.25	D	06		LUBRICATE RIG
	22:30 - 23:45	1.25	D	03		DIR DRILL 10441' TO 10453'. 9.6'/HR MW 9.2 VIS 42 SLIDE 10441 TO 10463'.
	23:45 - 00:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING PULL AND SETTING SLIPS. BOP DRILL(CREW ASSIGNMENTS)
	00:15 - 05:45	5.50	D	03		DIR DRILL 10453' TO 10516'. 11.45'/HR MW 9.3 VIS 42 BGG 39 UNITS SLIDE 10474 TO 10486'. AND 10504 TO 10516'.
	05:45 - 06:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME

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EL PASO PRODUCTION
Operations Summary Report

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Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/30/2010	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSE HOLE CONNECTIONS AND WELDING OPERATIONS
	06:15 - 12:45	6.50	D	03		DIR. DRILL 6 1/8" HOLE F/ 10516' - 10580' 9.84' / HR. SLIDE F/ 10538' - 10550', 10568' - 10580' BGG 43 - 50 UNITS
	12:45 - 13:45	1.00	DT	18		SHUT IN AND SECURE WELL WELD KATCH KAN MOUNTING FLANGE ON RISER BETWEEN ANNULAR PREVENTOR AND ROTATING HEAD
	13:45 - 14:00	0.25	D	06		RIG SER. FUNCTION ANNULAR PREVENTOR C / O 23 SEC'S
	14:00 - 14:30	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	14:30 - 18:00	3.50	D	03		DIR. DRILL F/ 10580' - 10645' 18.57' / HR. BGG 50 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING WEEKEND SAFETY
	18:15 - 23:30	5.25	D	03		DIR. DRILL F/ 10645' TO 10725 15.24' / HR. BGG 47 UNITS SLIDE 10696 TO 10710'
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG, FUNCTION LPR 7 SEC TO CLOSE
	23:45 - 00:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
1/31/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING OPERATING SKATE AND SLIPS
	00:15 - 05:45	5.50	D	03		DIR. DRILL F/ 10725' TO 10795'. 12.72' / HR. BGG 53 UNITS SLIDE 10729' TO 10741', 10761 TO 10773.
	05:45 - 06:00	0.25	D	05		ACCUMULATED SURVEY AND CONNECTION TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #38 MAN WINCH USE
	06:15 - 15:00	8.75	D	03		DIR. DRILL 6 1/8" HOLE F/ 10795' - 10917' 13.94' / HR. SLIDE F/ 10857' - 10867', 10887' - 10902' HAD 5437 UNITS CONNECTION GAS F/ 10780' BGG 60 UNITS
	15:00 - 15:15	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C / O 7 SEC'S
	15:15 - 15:45	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	15:45 - 18:00	2.25	D	03		DIR. DRILL F/ 10917' - 10975'. 25.78'/HR CONNECTION GAS 4666 AND BGG 79 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING 90' MOUSEHOLE CONNECTIONS, WORKING ON OR AROUND BOPS
	18:15 - 20:00	1.75	D	03		DIR. DRILL F/ 10975' TO 11014'. 22.28'/HR CONNECTION GAS 3333 AND BGG 81 UNITS
2/1/2010	20:00 - 20:15	0.25	D	06		LUBRICATE RIG
	20:15 - 23:30	3.25	D	03		DIR. DRILL F/ 11014' TO 11090'. 23.38'/HR CONNECTION GAS 4187 AND BGG 81 UNITS
	23:30 - 00:00	0.50	D	05		ACCUMULATED SURVEY AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING SETTING AND PULLING SLIPS, ADDING BOILER BRICK
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/ 11090' TO 11190'. 19.05'/HR CONNECTION GAS 2916 AND BGG 66 UNITS
	05:30 - 06:00	0.50	D	05		ACCUMULATIVE SURVEY AND CONNECTION TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #44 DE - ICING MATTING
	06:15 - 10:45	4.50	D	03		DIR. DRILL 6 1/8" HOLE F/ 11190' - 11299' 24.22' / HR. BGG 70 - 79 UNITS CONN. GAS 3020 UNITS
	10:45 - 11:00	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C / O 7 SEC'S
	11:00 - 11:30	0.50	D	05		ACC. SURVEY & CONNECTION TIME
2/1/2010	11:30 - 18:00	6.50	D	03		DIR. DRILL F/ 11299' - 11435' 20.92' / HR. BGG 70 UNITS CONN. GAS 1000 - 1700 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #44 DE - ICING MATTING
	18:15 - 21:00	2.75	D	03		DIR. DRILL F/ 11435' - 11491'. 20.36' / HR. BGG 66 UNITS CONN. GAS 1067 UNITS

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/1/2010	21:00 - 21:15	0.25	D	06		LUBRICATE RIG
	21:15 - 23:30	2.25	D	03		DIR. DRILL F/11491' - 11540'. 21.78' / HR. BGG 64 UNITS CONN. GAS 1604 UNITS
	23:30 - 00:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ADDING BOILER BRICK, MIXING CAUSTIC, WORKING ON PUMPS
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/11540' - 11630. 20.36' / HR. BGG 165 UNITS CONN. GAS 1473 UNITS NOW HAS 2 CONNECTION PEAKS.
2/2/2010	05:30 - 06:00	0.50	D	05		ACC. SURVEY & CONNECTION TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING JSA #74 MAKING 90' MOUSE HOLE CONNECTIONS
	06:15 - 12:45	6.50	D	03		DIR. DRILL 61/8" HOLE F/11630' - 11777' 22.61' / HR. BGG 90 - 100 UNITS CONNECTION GAS 2310 UNITS
	12:45 - 13:00	0.25	D	06		RIG SER. FUNCTION UPPER PIPE RAMS C/O 7 SEC'S
	13:00 - 13:30	0.50	D	05		ACC. SURVEY & CONN. TIME
	13:30 - 18:00	4.50	D	03		DIR. DRILL F/11777' - 11863' 19.11' / HR. SLIDE F/11812' - 11827' BGG 80 - 90 UNITS CONN. GAS 310 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING SETTING AND PULLING SLIPS MAKING 90' MOUSE HOLE CONNECTIONS
	18:15 - 23:30	5.25	D	03		MIXING ON TANKS DIR. DRILL F/11863' - 11969'. 20.19' / HR. BGG 80 4500 UNITS CONN. GAS 5310 UNITS
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG
	23:45 - 00:00	0.25	D	05		ACC. SURVEY & CONN. TIME
2/3/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING SAFETY ALERTS OPERATING SKATE MAN WINCH, WORKING ON PUMPS
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/11969' - 12025'. 10.67' / HR. SLIDE 12002 TO 12017'. BGG 450 UNITS CONN. GAS 3500 TO 5500 UNITS
	05:30 - 06:00	0.50	D	05		MW 10 PPG VIS 44 IN AND OUT ACC. SURVEY & CONN. TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING TRIPPING PIPE, USE OF TONGS AND WORKING MONKEY BOARD
	06:15 - 07:45	1.50	D	03		DIR. DRILL 61/8" HOLE F/12025' - 12063' 22' / HR. BGG 183 UNITS CONN. GAS 3980 UNITS
	07:45 - 08:00	0.25	D	06		RIG SER. FUNCTION LOWER PIPE RAMS C/O 7 SEC'S
	08:00 - 09:00	1.00	D	05		ACC. SURVEY & CONN. TIME
	09:00 - 18:00	9.00	D	03		DIR. DRILL F/12063' - 12213'. 16.67'/HR SLIDE 12067 TO 12082'. AND 12198 to 12213'. BGG 176 UNITS. CONN. GAS 3479 UNITS
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	18:15 - 23:30	5.25	D	03		DIR. DRILL F/12213' - 12273'. 11.43'/HR SLIDE 12259 to 12273'. BGG 450 UNITS. CONN. GAS 4000 UNITS
2/4/2010	23:30 - 00:00	0.50	D	05		ACC. SURVEY & CONN. TIME
	00:00 - 00:15	0.25	D	18		SAFETY MEETING
	00:15 - 05:30	5.25	D	03		DIR. DRILL F/12273 - 12395'. 23.24'/HR BGG 160 UNITS. CONN. GAS 3229 UNITS
	05:30 - 06:00	0.50	D	05		ACC. SURVEY & CONN. TIME
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING LOCK OUT TAG OUT TRY OUT, 90' MOUSE HOLE CONNECTIONS, OPERATING SKATE
	06:15 - 10:30	4.25	D	03		WORKING AROUND BOPE, MAN WINCH ICE ON MATTING DIR. DRILL F/12395' - 12446'. 12.0'/HR SLIDE 12386 TO 12401'. BGG 100 UNITS. CONN. GAS 2800 UNITS
	10:30 - 10:45	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 24 SEC T/ CLOSE
	10:45 - 11:45	1.00	D	05		ACC. SURVEY & CONN. TIME

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Operations Summary Report

Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/4/2010	11:45 - 18:00	6.25	D	03		DIR. DRILL F/ 12446' - 12558'. 12.0'/HR SLIDE 12482 TO 12494' & 12553' TO 12268'. BGG 100 UNITS. CONN. GAS 2800 UNITS.
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING.
	18:15 - 00:00	5.75	DT	08		CIRCULATE & CONDITION MUD, TOTAL LOST CIRCULATION, BRING LCM (SAW DUST) CONTENT UP TO 25%.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING. RELEASE TRAPPED TORQUE, WORKING ON PUMPS & WORKING AT MONKEY BOARD.
	00:15 - 00:30	0.25	D	06		LUBRICATE RIG.
	00:30 - 05:45	5.25	D	03		DIR. DRILL F/12558' TO 12607'. 9.3'/HR SLIDE F/12558' TO 12568'.
2/5/2010	06:00 - 06:15	0.25	D	18		BACKGROUND GAS 305 UNITS. CONN GAS 5144 UNITS.
						HAND OVER & PRETOUR SAFETY MEETING LOCK OUT TAG OUT TRY OUT, 90' MOUSE HOLE CONNECTIONS, OPERATING SKATE WORKING AROUND BOPE, MAN WINCH ICE ON MATTING
	06:15 - 08:30	2.25	D	03		DIR. DRILL F/12607' - 12621'. 9.3'/HR SLIDE F/12609' TO 12621'.
						BACKGROUND GAS 100 UNITS. CONN GAS 377 UNITS. SLIDE SLOW AND DIFFICULT. SHUT DOWN DRILLING TO TRIP FOR BIT.
	08:30 - 09:00	0.50	D	08		CIRCULATE FOR TRIP.
	09:00 - 16:00	7.00	D	04		POOH F/ 12621' FLOW CHECKS AT 12621', 12152', 6300', 1273' AND SURFACE
	16:00 - 17:00	1.00	D	04		LAY DOWN MOTOR AND ONE MONEL.
	17:00 - 17:15	0.25	D	06		LUBRICATE RIG, FUNCTION BLIND RAMS 8 SEC TO CLOSE.
	17:15 - 18:00	0.75	D	04		PU NEW MOTOR, NEW MONEL, NEW SLEEVE ON MOTOR, NEW BIT, 1.5 DEGREE BEND IN MOTOR
	18:00 - 18:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING ON TRIPPING IN, TRIPPING OUT, USE OF TONGS & SETTING AND PULLING SLIPS.
	18:15 - 19:15	1.00	D	04		MAKE UP DIRECTIONAL TOOLS & MWD TOOLS.
	19:15 - 21:00	1.75	D	04		TIH TO 3930'.
	21:00 - 22:30	1.50	D	04		FILL PIPE. PIPE PRESSURED UP.
	22:30 - 00:00	1.50	DT	04		POOH, DERRICK HAND 100% TIED OFF.
2/6/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON TRIPPING OUT, USE OF TONGS & HANDLING BHA.
	00:15 - 01:00	0.75	DT	04		FINISH POOH.
	01:00 - 06:00	5.00	DT	04		BREAK OUT BIT CLEAN OUT LCM PLUGGED OFF. LD MUD MOTOR PLUGGED WITH LCM. CLEAN LCM OUT OF DIRECTIONAL TOOLS.
						HAND OVER & PRETOUR SAFETY MEETING ON TRIPPING IN, USE OF TONGS & SETTING AND PULLING SLIPS, PIPE SPINNER, HANDLING BHA, SLIP AND CUT.
	06:15 - 12:45	6.50	D	04		BEND MOTOR TO 1.5 DEGREE, MU BIT, SET MWD. TRIP IN HOLE.
						FILLING PIPE AT BHA, 4233', 7219', 9809' WITH LCM FREE MUD.
	12:45 - 13:15	0.50	D	06		SLIP AND CUT DRILLING LINE
	13:15 - 15:00	1.75	D	04		CONTINUE RIH 9808 TO
	15:00 - 18:00	3.00	D	04		INSTALL ROTATING RUBBER AND WASH FROM 12103' TO 12621'.
	18:00 - 18:15	0.25	D	18		CREW CHANGE, SAFETY MEETING, INCIDENT REVIEW.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/12621' TO 12668'. SLIDE F/12658' TO 12673' (15').
	23:30 - 00:00	0.50	D	05		ACC. SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING.
	00:15 - 00:30	0.25	D	06		LUBRICATE RIG. REPAIR TOP DRIVE ELECTRICAL.
2/7/2010	00:30 - 05:30	5.00	D	03		DIRECTIONAL DRILL F/12668' TO 12800'.
	05:30 - 06:00	0.50	D	05		ACC. SURVEYS AND CONNECTION TIME. BOP DRILL.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING, INCIDENT REVIEW.
	06:15 - 07:30	1.25	D	03		DIRECTIONAL DRILL F/12800' - 12813'. SLIDE 12784' TO 12801' (15'), BGG 6300 UNITS PEAK 7185 UNITS. DIVERTED THROUGH

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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Spud Date: 10/23/2009
Start: 10/19/2009
End: 2/23/2010
Rig Release: 2/23/2010
Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/7/2010	06:15 - 07:30	1.25	D	03		BUSTER WHILE RAISING MW. NO FLARE.
	07:30 - 07:45	0.25	D	06		LUBRICATE RIG/BOP DRILL
	07:45 - 08:45	1.00	D	18		ACC. SURVEYS AND CONNECTION TIME.
	08:45 - 18:00	9.25	D	03		DIRECTIONAL DRILL F/12813' - 12958'. SLIDE 12815' to 12832, (17'), 12850' TO 12865', (15'), 12909' TO 12911'. (2'), 12920 TO 12935', (15') BGG 600 UNITS PEAK 7185 UNITS. DIVERTED THROUGH BUSTER WHILE RAISING MW TO 10.6 PPG. OFF BUSTER - BGG 160 UNITS CONN 3916 UNITS. MW 10.6 PPG 43 VIS
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING MOUSE HOLE CONN., MIXING ON TANKS & WORKING ON PUMPS.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/12958' TO 13006'. SLIDE F/12977' TO 12987' (10') & F/12989' TO 12994' (5').
	23:30 - 23:45	0.25	D	06		LUBRICATE RIG.
	23:45 - 00:00	0.25	D	18		ACC. SURVEYS AND CONNECTION TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING OPERATING SKATE.
	00:15 - 05:45	5.50	D	03		DIRECTIONAL DRILL F/13006' TO 13050'. SLIDE F/13007' TO 13022' (15').
	05:45 - 06:00	0.25	D	05		ACC. SURVEYS & CONN. TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING, SET CROWN SAVER, DRIVING TO/FROM LOCATION, MIXING CAUSTIC, STRIPPING OIL/MUD, DE-ICING MATTING..
	06:15 - 11:15	5.00	D	03		DIRECTIONAL DRILL F/13050' TO 13100'. SLIDE F/13041' TO 13057' (16') 13077' to 13095', (18'). BGG 95UNITS, CONN 5180 UNITS MW 10.6 PPG
	11:15 - 11:30	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 23 SEC T/ CLOSE
2/8/2010	11:30 - 12:30	1.00	D	05		ACC. SURVEYS & CONN. TIME.
	12:30 - 18:00	5.50	D	03		DIRECTIONAL DRILL F/13100' - 13197'. SLIDE F/ 13103 TO 13115', (12'), 13178' TO 13195' (17'). BGG 150 UNITS, CONN 5180 UNITS MW 10.6 PPG
	18:00 - 18:15	0.25	D	18		CREW CHANGE, SAFETY MEETING MOUSE HOLE CONNECTIONS, WORKING ON PUMPS AND MIXING ON TANKS.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/13197' TO 13261'.
	23:30 - 00:00	0.50	D	05		ACC. SURVEYS & CONN. TIME.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING.
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING F/13261' TO 13337'. SLIDE F/13308' TO 13325' (17'). BACKGROUND GAS 116 UNITS, CONNECTION GAS 2658 UNITS.
	05:30 - 06:00	0.50	D	05		ACC. SURVEYS & CONN. TIME.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING USING DERRICK WENCH AND HOUSEKEEPING
	06:15 - 11:00	4.75	D	03		DIRECTIONAL DRILLING F/13337' to 13380'. SLIDE F/13362' TO 13380' (18'). BACKGROUND GAS 100 UNITS, CONNECTION GAS 2750 UNITS.
2/9/2010	11:00 - 11:15	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR 24 SEC TO CLOSE.
	11:15 - 18:00	6.75	D	03		DIRECTIONAL DRILLING F/13380' -13440'. SLIDE F/13421' TO 13437' (16'). BACKGROUND GAS 300 UNITS, CONNECTION GAS 4041 UNITS. MW 10.6 VIS 43
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON USE OF TONGS, CONNECTIONS & MIXING TANKS.
	18:15 - 23:30	5.25	D	03		DIRECTIONAL DRILL F/13340' TO 13490'. SLIDE F/13484' TO 13490' (6'). BACKGROUND GAS 140 UNITS. CONNECTION GAS 2578 UNITS.
	23:30 - 23:45	0.25	D	05		ACC. SURVEYS AND CONN.

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/9/2010	23:45 - 00:00	0.25	D	08		CIRCULATE WORK PIPE.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING TRIPPING OUT, USE OF TONGS, SETTING AND PULLING SLIPS, WORKING AT MONKEY BOARD, HANDLING BHA AND PIPE SPINNERS USE.
	00:15 - 01:00	0.75	D	08		CIRCULATE AND CONN. HOLE.
	01:00 - 06:00	5.00	D	04		TOOH FOR BIT & MUD MOTOR. FLOW CHECKS @ 13490, 12579', 11326' & 8721' NO FLOW.
2/10/2010	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING TRIPPING, USE OF TONGS, SETTING AND PULLING SLIPS, WORKING MONKEY BOARD, HANDLING BHA, SPINNERS AND TRIPPING IN
	06:15 - 09:30	3.25	D	04		CONT. TRIP OUT 5450' TO SURFACE. PULL RUBBER AT 5000'. FLOW CHECKS AT 5450', 1146' AND OOH.
	09:30 - 10:30	1.00	D	04		CHECK MOTOR AND LAY DOWN SAME.
	10:30 - 10:45	0.25	D	06		LUBRICATE RIG, FUNCTION BLIND RAMS. 8 SEC TO CLOSE
	10:45 - 14:00	3.25	DT	61		WAIT ON WORD FOR MUD MOTOR REPLACEMENT. MUD MOTOR ON LOCATION CANNOT TAKE A SLEEVE.
	14:00 - 15:00	1.00	D	04		ADJUST BEND IN MOTOR TO 1.83, REALIGN MDW, CLEAN MUD IN A PIT OF LCM TO FILL BHA AND DP ON TRIP IN.
	15:00 - 18:00	3.00	D	04		RIH. FILL PIPE AT TOP OF SWDP 1258', 4285', 7178'.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING TRIPPING, USE OF TONGS, SETTING AND PULLING SLIPS, WORKING AT MONKEY BOARD & USE OF PIPE SPINNERS.
	18:15 - 20:30	2.25	D	04		TIH TO 13190'. DERRICK HAND 100% TIED OFF.
	20:30 - 00:00	3.50	D	07		WASH AND REAM F/13190'.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING.
	00:15 - 01:00	0.75	D	07		WASH AND REAM F/13190' TO 13490'.
	01:00 - 05:30	4.50	D	03		DIRECTIONAL DRILL F/13490' TO 13580'. SLIDE F/13490' TO 13498' (8') & 13549' TO 13564' (15'). BACKGROUND GAS 114 UNITS. TRIP GAS 2989 UNITS @ 13490'.
	05:30 - 06:00	0.50	D	05		ACC. SURVEYS AND CONN.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING WORKING ON AND AROUND BOARD, PULLING AND SETTING SLIPS, MIXING CAUSTIC, WORKING ON ROOFS.
2/11/2010	06:15 - 13:00	6.75	D	03		DIRECTIONAL DRILL F/13580' - 13674'. SLIDE F/13613' TO 13628' (15') & 13645' TO 13660' (15'). BACKGROUND GAS 125 UNITS. TRIP GAS 885 UNITS.
	13:00 - 13:15	0.25	D	06		LUBRICATE RIG, FUNCTION UPR 7 SEC TO CLOSE.
	13:15 - 14:30	1.25	D	05		ACC. SURVEYS AND CONN.
	14:30 - 18:00	3.50	D	03		DIRECTIONAL DRILL F/13674' - 13740'. SLIDE F/13678' TO 13690' (12') & F/13710' TO 13723' (13'). BACKGROUND GAS 100 UNITS. TRIP GAS 681 UNITS AT 13708'.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING MIXING ON TANKS, PULLING, SETTINGS SLIPS & MAN WINCH USE.
	18:15 - 23:45	5.50	D	03		DIRECTIONAL DRILL F/13740' TO 13776'. SLIDE F/13740' TO 13756' (16').
	23:45 - 00:00	0.25	D	18		ACC. SURVEYS AND CONN.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING
	00:15 - 05:30	5.25	D	03		DIRECTIONAL DRILLING F/13776' TO 13805'. SLIDE F/13790' TO 13805' (15'). BACKGROUND GAS 126 UNITS. CONNECTION GAS 804 UNITS.
	05:30 - 05:45	0.25	D	06		LUBRICATE RIG.
	05:45 - 06:00	0.25	D	05		ACC. SURVEYS AND CONN.
	06:00 - 06:15	0.25	D	18		CREW CHANGE, SAFETY MEETING POOH, MU CONNECTIONS,
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Operations Summary Report

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/12/2010	06:00 - 06:15	0.25	D	18		FUNCTION CROWN A MATIC, MOUSE HOLE CONNECTIONS, SETTING AND FUNCTIONING CROWN A MATIC
	06:15 - 12:45	6.50	D	03		DIRECTIONAL DRILLING F/13805' - 13938. SLIDE F/13805' TO 13820' (15'), 13839' TO 13854' (15'). BACKGROUND GAS 54 UNITS. CONNECTION GAS 47 UNITS AT 13864'. FINAL SURVEY.
	12:45 - 15:00	2.25	D	08		CIRCULATE 1 1/2 TIME S BOTTOMS UP. CONDITION MUD MW 10.6 VIS 46
	15:00 - 17:45	2.75	D	04		STRAP OUT OF HOLE. PULL 12 STANDS TO 12798'. FLOW CHECK AND PUMP TRIP PILL PULL ROTATING RUBBER. POOH, TO 9250'.
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG, GREASE BLOCKS, CHECK SWIVEL, GREASE DRAWWORKS
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TRIPPING OUT, USE OF TONGS.
	18:15 - 00:00	5.75	D	04		STRAP OUT OF HOLE. FLOW CHECKS @ 8018', 5861' & 1141' NO FLOW. LAY DOWN DIRECTIONAL TOOLS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON SETTING AND PULLING SLIPS, TRIPPING, HANDLING BHA & CUT AND SLIP.
	00:15 - 00:45	0.50	D	04		FINISH LD BHA.
	00:45 - 01:00	0.25	D	06		LUBRICATE RIG. FUNCTION BLIND RAMS 8 SEC.
2/13/2010	01:00 - 06:00	5.00	D	04		PU BHA TIH TO 9911. FILL PIPE @ 1348', 4232', 7408' & 9911'.
	06:00 - 06:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON PULLING SLIPS, USE OF TONGS.
	06:15 - 09:30	3.25	D	07		INSTALL ROTATING RUBBER, ESTABLISH CIRCULATING AND ROTATING PARAMETERS, 200 GPM AT XXX PSI, 50 RPM AT 11200 TORQUE. MAX GAS AT BOTTOMS UP 1046 UNITS. RIH, WASH AND REAM 10102' TO 11068'. NO APPRECIABLE REAMING REQUIRED.
	09:30 - 10:15	0.75	D	04		RIH 11068' TO 12030'.
	10:15 - 17:45	7.50	D	07		WASH AND REAM 12030' TO 13430'. STARTED ACTING LIKE SWELLING SHALE FROM 12900' DOWN. MAX GAS 4250 UNITS.
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON TRIPPING IN & REAMING, MIXING MUD ON TANKS, WEEKEND AWARENESS.
	18:15 - 00:00	5.75	D	07		WASH AND REAM F/13430' TO 13890'. HARD REAMING. MAX GAS 2875 UNITS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON WORKING ON PUMPS, TOP DRIVE CONNECTIONS AND WORKING ON MONKEY BOARD.
	00:15 - 01:00	0.75	D	07		WASH AND REAM F/13890' TO 13938'. HARD REAMING. MAX GAS 2875 UNITS.
2/14/2010	01:00 - 02:15	1.25	D	08		CIRCULATE. SPOT DRILL BEADS F/13938' TO 10175'. MUD WT. 10.5 VIS. 47 LCM 20%.
	02:15 - 06:00	3.75	D	04		SHORT TRIP TO 7" CASING SHOE (10175').
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING WEEK END AWARENESS
	06:15 - 14:30	8.25	D	07		PULLED UP TO CASG. SHOE AT 10172' FIRST 9 STD'S DP (855') PULLED TIGHT 160 - 180K OVERPULL REST OF HOLE UP TO CASG. SHOE WAS GOOD RUN BACK IN HOLE TO 12703' WASH & REAM F/ 12703' - BTM. AT 13938' REAMING THE LAST 20' TO BTM. WENT QUITE SLOW ALL STD'S WERE REAMED TWICE BEFORE MAKING A CONNECTION
	14:30 - 16:30	2.00	D	08		CIRC. 2X BTMS. UP HAD 5020 UNITS GAS ON BTMS. UP BGG 137 UNITS ADDED 14 SX PLASTIC BEADS WHILE CIRC. MUD WT. 10.7 VIS. 48 20% LCM IN MUD SYSTEM

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Legal Well Name: OWL & HAWK 2-31B5
Common Well Name: OWL & HAWK 2-31B5
Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426

Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/14/2010	16:30 - 17:45	1.25	D	04		POH TO LOG PUMPED OUT FIRST 10 STD'S 110K OVER PULL PULLED ROTATING HEAD ELEMENT FLOW CK. WELL STATIC RIG SER. FUNCTION UPPER PIPE RAMS C/O 7 SEC'S
	17:45 - 18:00	0.25	D	06		HAND OVER & PRETOUR SAFETY MEETING TRIPPING OUT PIPE, PULLING AND SETTING SLIPS
	18:00 - 18:15	0.25	D	18		CONTINUE TRIP OUT FROM 12862', BLOW OUT TOP DRIVE, POOH, FLOW CKECKS AT 7591', 1146'.
	18:15 - 00:00	5.75	D	04		SAFETY MEETING ON PIPE SPINNER, CHANGING OIL AND LOGGING.
	00:00 - 00:15	0.25	D	18		CONTINUE TRIP OUT. STAND BACK SWDP, LAYDOWN 3 STEEL DC'S AND 2 TBR'S.
	00:15 - 01:15	1.00	D	04		LUBRICATE RIG FUNCTION BLIND RAMS 8 SEC TO CLOSE SAFETY MEETING, RU HALLIBURTON LOGGERS, RIH WITH QUAD COMBO TO 12450'. LOG IN AND LOGGING OUT.
	01:15 - 01:30	0.25	D	06		HAND OVER & PRETOUR SAFETY MEETING RIG OUT HALLIBURTON WIRELINE SER.
	01:30 - 06:00	4.50	D	11		RIH W/ 6.125" RR MILL TOOTH BIT FILL DP AT 3100' CIRC. BTMS. UP AT CASG. SHOE HAD 268 UNITS GAS ON BTMS. UP INSTALL ROTATING HEAD ELEMENT CONT. RIH TO 12450' DID NOT TOUCH ANYTHING F/ 12450' - 12460' FILL DP
2/15/2010	06:00 - 06:15	0.25	D	18		WASH AND REAM 12460 TO 13282'. 13250 TO 13282' WAS TIGHT AND REQUIRED REAMED SEVERAL TIMES. PEAK GAS 6000 UNITS AT BOTTOMS UP.
	06:15 - 07:00	0.75	D	11		HAND OVER & PRETOUR SAFETY MEETING TRIPPING PIPE, RELEASING TRAPPED TORQUE AND TOP DRIVE CONNECTIONS.
	07:00 - 16:00	9.00	DT	04		WASH AND REAM. BRING VIS TO 60+. 13282 TO 13938'. WORK EACH STAND UNTIL IT WILL PULL AT LESS THAN 300K WITH THE PUMP AND ROTATION. MW 10.65 PPG AND 62 VIS.
	16:00 - 18:00	2.00	DT	07		SAFETY MEETING TRIPPING PIPE, RELEASE TRAPPED TORQUE, TOP DRIVE CONNECTIONS.
	18:00 - 18:15	0.25	D	18		CIRCULATE BOTTOMS UP.
	18:15 - 00:00	5.75	DT	07		ATTEMPT TO SHORT TRIP. PUMP FIRST STAND OUT OK. SECOND STAND REQUIRED 400 K TO PULL IT. SI TOP DRIVE AND WASH AND REAM BACK TO 13938'.
	00:00 - 00:15	0.25	D	18		POOH W/ PUMP AND BACK REAMING FROM 13938' TO 13655'.
	00:15 - 01:00	0.75	DT	08		POOH W/O PUMP OR ROTARY. LAST DRAG ABOVE PATERN WAS AT 13110'. FLOW CHECK AND BLOW OUT TOP DRIVE AT 12113'.
	01:00 - 02:30	1.50	DT	07		POOH TO SHOE AT 10172'.
	02:30 - 06:00	3.50	DT	04		HAND OVER & PRETOUR SAFETY MEETING
2/16/2010	06:00 - 06:15	0.25	DT	67		RIH F/ CASG. SHOE F/ 10172' - 13189' TAGGED OBSTRUCTION
	06:15 - 07:30	1.25	DT	56		WASH & REAMED F/ 13189' - BTM. AT 13938' REAMING F/ 13189' - 13281' WENT QUITE SLOW (HARD REAMING) THE REST OF THE REAMING TO BTM. WENT QUITE WELL BTMS. UP GAS 1502 UNITS MUD WT. 10.8 PPG VIS. 61
	07:30 - 11:00	3.50	DT	56		CIRC. BTMS. UP HOLE CLEANING WELL ONLY SMALL SIZES OF SHALE (FROM REAMING) COMMING OUT OF HOLE
	11:00 - 12:00	1.00	DT	56		POH HAD TO PUMP & BACK REAM OUT F/ BTM. UP TO 13218' STRG. WT. 203K OVER PULL 150K NO PROBLEMS F/ 13218' UP TO 12014' NORMAL OVER PULL 120K RIH TO 13557' HIT OBSTRUCTION WASH & REAM F/ 13557' - BTM. EASY REAMING
	12:00 - 14:45	2.75	DT	56		CIRC. COND. HOLE
	14:45 - 17:45	3.00	DT	56		RIG SER. FUNCTION LOWER PIPE RAMS C/O 7 SEC'S
	17:45 - 18:00	0.25	DT	67		CREW CHANGE / SAFETY MEETING TRIPPING / REAMING
	18:00 - 18:15	0.25	DT	67		

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EL PASO PRODUCTION
Operations Summary Report

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Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/16/2010	18:15 - 01:45	7.50	DT	56		POH TO LOG PUMPED OUT FIRST 8 STD'S REST OF TRIP OUT WENT GOOD TAKE REQUIRED FLOW CK'S WELL STATIC
	01:45 - 02:00	0.25	DT	56		RIG SER. FUNCTION BLIND RAMS C/O 7 SEC'S
	02:00 - 08:00	4.00	DT	56		RIG IN HALLIBURTON WIRELINE SER. HOLD SAFETY MEETING RUN QUAD COMBO (GAMMA - NEUTRON - DENSITY - SONIC - RESISTIVITY) WORK THRU BRIDGE AT 10600' CONT. DOWN TO 13270' HOLE VERY TIGHT ATTEMPT TO WORK TOOL UPWARD PULLING UP TO 11500# (HALLIBURTONS SAFE PULL RATING) TOOL SLOWLY MOVING UPWARD EACH TIME IT IS PULLED UP 11500# PRESENT TOOL DEPTH 13200' ELPASO GEOLOGIST GREG CLARK ON LOC. WITNESSING LOGGING OPERATION
2/17/2010	06:00 - 06:15	0.25	DT	67		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 08:00	1.75	DT	56		ATTEMPT TO WORK LOGGING TOOL UPWARD (PULLING UP TO 11500# HALLIBURTONS SAFE PULL RATING) AT TIMES MAKING NO HEAD WAY CONT. SLACKING OFF & PULL UP TO 11500# LOGGING TOOL SLOWLY MOVING UPWARD AFTER MOVING TOOL UP 250' (41/4 HRS.) TOOL CAME FREE CONT. OUT OF HOLE AND RIG OUT HALLIBURTON LEFT 6 CENTRALIZER BOW SPRINGS IN HOLE
	08:00 - 08:15	0.25	DT	67		RIG SER. FUNCTION BLIND RAMS C/O 7 SEC'S
	08:15 - 16:00	7.75	DT	56		RIH W/ RR # 19 FILL DP AT 3500' CIRC. BTMS. UP AT CASG. SHOE @ 10172' 1335 UNITS GAS ON BTMS. UP
	16:00 - 17:45	1.75	DT	60		SLIP & CUT DRILL LINE CHANGE OUT SAVER SUB ON TOP DRIVE
	17:45 - 18:00	0.25	DT	56		SER. TOP DRIVE
	18:00 - 18:15	0.25	DT	56		INSTALL ROTATING HEAD ELEMENT
	18:15 - 18:30	0.25	DT	56		CREW CHANGE / SAFETY MEETING
	18:30 - 20:00	1.50	DT	56		CONT. RIH W/ RR #19 to 13184" DID NOT TOUCH ANYTHING UP TO THIS POINT
	20:00 - 23:45	3.75	DT	56		WASH & REAM F/ 13184' - 13550' AT START OF REAMING HAD SOME HIGH TORQUE FOR 3 - 4' THEN DROPPED OFF TO NORMAL 21 - 22K DROPPING TO 16 - 17K POSSIBLE CONTACT WITH CENTRALIZER BOW SPRINGS
	23:45 - 00:00	0.25	DT	67		RIG SER. FUNCTION UPPER PIPE RAMS C/O 7 SEC'S
	00:00 - 00:15	0.25	DT	67		SAFETY MEETING TRIPPING OUT JSA #2 USE OF TONGS
	00:15 - 02:30	2.25	DT	56		CONT. WASHING & REAMING F/ 13550' - 13938' TD DID NOT HAVE ANY ABNORMAL TORQUE WHILE REAMING TO BTM.
	02:30 - 02:45	0.25	DT	67		RIG SER. FUNCTION ANNULAR PREVENTOR C/O 24 SEC'S
	02:45 - 03:30	0.75	DT	56		CIRC. BTMS. UP COND. MUD MUD WT. 10.7 PPG VIS. 45 CAL. 400 WL 16 LCM 20%
	03:30 - 06:00	2.50	DT	56		MAKE WIPER TRIP TO CASG. SHOE PUMPED OUT FIRST 8 STD'S AT 11000' AT 0600 HRS.
2/18/2010	06:00 - 06:15	0.25	DT	67		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 10:00	3.75	DT	56		CONT. POH F/ 11000' UP TO CASG. SHOE AT 10172' RUN BACK IN HOLE TO 13274' WASH & REAM F/ 13274' - 13938' EASY REAMING
	10:00 - 11:00	1.00	DT	56		CIRC. BTMS. UP 4270 UNITS GAS ON BTMS. UP
	11:00 - 11:15	0.25	DT	56		RIG SER. FUNCTION LOWER PIPE RAMS C/O 7 SEC'S
	11:15 - 12:45	1.50	DT	56		POH (MAKE 10 STD. WIPER TRIP) DID NOT PUMP DP OUT OF HOLE RAN BACK TO BTM. WITH OUT ANY REAMING NO FILL

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Legal Well Name: OWL & HAWK 2-31B5
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Event Name: DRILLING
Contractor Name: PRECISION DRILLING TRUST
Rig Name: PRECISION

Start: 10/19/2009
Rig Release: 2/23/2010
Rig Number: 426
Spud Date: 10/23/2009
End: 2/23/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/18/2010	11:15 - 12:45	1.50	DT	56		ON BTM.
	12:45 - 14:30	1.75	DT	56		CIRC. COND. HOLE HAD 4541 UNITS GAS ON BTMS. UP MIX 16 SX DRILL BEADS AT 5 MIN./ SX WHILE CIRCULATING LAST CIRC. POH TO LOG (DID NOT PUMP ANY STD'S OUT) TAKE REQUIRED FLOW CK'S WELL STATIC
	14:30 - 18:00	3.50	DT	56		CREW CHANGE / SAFETY MEETING JSA #4 PULLING & SETTING SLIPS
	18:00 - 18:15	0.25	DT	56		CONT. POH BIT IN GOOD COND. NO SIGN OF BEING IN CONTACT W/ CENT. BOW SPRINGS
	18:15 - 22:15	4.00	DT	56		RIG SER. FUNCTION BLIND RAMS C / O 7 SEC'S
	22:15 - 22:30	0.25	D	56		HOLD SAFETY MEETING W/ WEATHERFORD WIRELINE SER. RIG IN & RUN CMI LOG UNABLE TO GET BELOW 13320'
	22:30 - 06:00	7.50	D	56		TOOL OD 4.10" TOOL LENGTH 32' WT. 235# @ 0330 HRS. LOG UP F/ 13150' LOGGING SPEED 13' / MIN. AT 11000' AT 0600 HRS. ELPASO GEOLOGIST GREG CLARK ON LOC. WITNESSING LOGGING OPERATION
2/19/2010	06:00 - 06:15	0.25	D	67		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 10:15	4.00	D	56		OPEN HOLE LOGGING W/ WEATHERFORD WIRELINE SER. RIG IN & RUN CMI LOG UNABLE TO GET BELOW 13320' TOOL OD 4.10" TOOL LENGTH 32' WT. 235# @ 0330 HRS. LOG UP F/ 13150' LOGGING SPEED 13' / MIN. AT 11000' AT 0600 HRS. ELPASO GEOLOGIST GREG CLARK ON LOC. WITNESSING LOGGING OPERATION
	10:15 - 14:15	4.00	D	56		TIH 0' TO 10175' FILLING DRILL PIPE EVER 3000'.
	14:15 - 15:15	1.00	D	56		CIRCULATE & CONDITION MUD @ 10175'.
	15:15 - 17:00	1.75	D	56		TIH F/10175' TO 13854'.
	17:00 - 17:15	0.25	D	56		WASH AND REAM F/13854' TO 13938'
	17:15 - 17:30	0.25	D	67		LUBRICATE RIG.
	17:30 - 18:00	0.50	D	56		CIRCULATE & CONDITION MUD @ 13938'.
	18:00 - 18:15	0.25	D	67		CREW CHANGE & SAFETY MEETING.
	18:15 - 18:30	0.25	D	67		LUBRICATE RIG.
	18:30 - 20:00	1.50	D	67		CIRCULATE GAS OUT OF HOLE. TRIP GAS 8645 UNITS.
	20:00 - 00:00	4.00	D	67		TOOH F/13938' TO 7400' (FLOW CHECKS @ 13462' & 7611').
	00:00 - 00:15	0.25	D	67		SAFETY MEETING.
	00:15 - 03:45	3.50	D	67		CONTINUE TOOH F/7400' TO 0' (FLOW CHECKS @ 1263').
	03:45 - 04:00	0.25	D	67		LUBRICATE RIG. FUNCTION BLIND RAMS 8 SECONDS.
2/20/2010	04:00 - 06:00	2.00	D	67		RIG UP CASING CREW. PU & MU FLOAT SHOE, 3 JOINTS OF 4.5" P-110 8 RND LTC CSG, FLOAT COLLAR & LANDING COLLAR TIH. HAND OVER & PRETOUR SAFETY MEETING
	06:00 - 06:15	0.25	D	18		CONT. RUNNING 41/2" LINER RAN 95 JTS. 41/2" 13.5# P-110 LT&C LINER TOTAL LENGTH WITH FLOAT EQUIP., 2 MARKER JTS. & HALLIBURTON 41/2" X 7" VERSA FLEX LINER HANGER @ 3990.24'
	06:15 - 12:15	6.00	D	12		
	12:15 - 12:45	0.50	D	08		RIG OUT WEATHERFORD POWER TONGS WHILE CIRC. LINER CAP.
	12:45 - 17:45	5.00	D	12		CONT. RUN LINER IN HOLE ON 4" DP (MEASURE IN) TO 9614'.
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG. FUNCTION UPPER PIPE RAMS.
	18:00 - 18:15	0.25	D	18		CREW CHANGE. SAFETY MEETING ON SERIOUS ACCIDENTS, HAND INJURIES & MAN WINCH USE.
	18:15 - 20:00	1.75	D	12		CONT. RUN LINER IN HOLE ON 4" DP (MEASURE IN) F/9614' TO 11037'. TRIP GAS 1062 UNITS.
	20:00 - 22:45	2.75	D	08		CIRCULATE BOTTOMS UP @ 11037' (AT 7' CASING SHOE). TRIP GAS 4375 UNITS.

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Rig Name: PRECISION

Spud Date: 10/23/2009
End: 2/23/2010
Start: 10/19/2009
Rig Release: 2/23/2010
Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/20/2010	22:45 - 23:45	1.00	D	12		CONT. RUN LINER IN HOLE ON 4" DP (MEASURE IN) F/11037' TO 12381'.
	23:45 - 00:00	0.25	D	06		LUBRICATE RIG.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON CEMENTING, TRIPPING IN & INSPECTING TOP DRIVE.
	00:15 - 02:15	2.00	D	12		CONT. RUN LINER IN HOLE ON 4" DP (MEASURE IN) F/12381' TO 13938'.
	02:15 - 02:30	0.25	D	06		LUBRICATE RIG.
2/21/2010	02:30 - 05:30	3.00	D	08		CIRCULATE AND CONDITION MUD & HOLE @ 13935' (TD @ 13938'). TRIP GAS 4854 UNITS.
	05:30 - 06:00	0.50	D	14		RIG UP SCHLUMBERGER TO CEMENT.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 06:45	0.50	D	14		INSTALL LINER CMT'G MANIFOLD HOLD SAFETY & PROCEEDURAL MEETING W/ HALIBURTON TOOL HANDS, SCHLUMBERGER CEMENTERS & RIG CREWS
	06:45 - 13:45	7.00	D	14		CMT'D LINER W/ 20 BBLS. 12.5 PPG MUD PUSH II W/ 0.5 PPB CEM NET FOLLOWED BY 265 SX 15:85 13.3 PPG POZ/G W/ ADDITIVES & 0.5 PPB CEM NET PUMP OUT LINES & DISPLACE LINER W/ 5 BBLS. RETARTED FLUID, 52 BBLS. WATER & 5 BBLS. RETARTED FLUID FOLLOWED BY 62 BBLS. 10.7 PPG CLEAN DRLG. MUD GOOD RETURNS THRU OUT CMT'G & DISPLACING (CMT. VOLUMES BASED ON GAUGE HOLE PLUS 40% EXCESS IN OPEN HOLE) BUMPED PLUG 4 BBLS. SHORT OF CALCULATED DISPLACEMENT OPEN RUPTURE DISK W/ 5700 PSI DROP LINER SEATING BALL INFLATE PACKER / HANGER UNLATCH FROM LINER HANGER PULL UP AND ESTABLISH CIRC. CIRC. BTMS. UP HAD 10 BBLS. CMT. RETURNS CLOSE PIPE RAMS & PRESS. TEST LINER PACKER / HANGER TO 1500 PSI FOR 15 MINS. OK DISPLACE CASG. W/ 275 BBLS. FRESH WATER CONDUCT NEGATIVE TEST WELL STATIC PLUG DOWN @ 0925 HRS. FEB.20 / 2010 SHOE @ 13926' FLOAT COLLAR / LANDING COLLAR @ 13801' LINER TOP @ 9939' RIG OUT CMT'G HEAD & CEMENTERS
	13:45 - 17:45	4.00	D	04		POH LAY DOWN 4" DP & HWDP
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG.
	18:00 - 18:15	0.25	D	18		CREW CHANGE SAFETY MEETING ON LAYING DOWN PIPE, OPERATING SKATE & TONG USE.
	18:15 - 23:45	5.50	D	04		POOH LD 4" DP & HWDP.
	23:45 - 00:00	0.25	D	06		LUBRICATE RIG.
2/22/2010	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON OPERATING LOADER, PULLING SLIPS & WORKING @ MONKEY BOARD.
	00:15 - 01:30	1.25	D	04		POOH LD 4" DP & HWDP.
	01:30 - 01:45	0.25	D	06		LUBRICATE RIG.
	01:45 - 06:00	4.25	D	04		POOH LD 4" DP.
	06:00 - 06:15	0.25	D	18		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 09:00	2.75	D	04		CONT. LAYING DOWN 4" DRILL PIPE
	09:00 - 11:30	2.50	D	18		SAFETY MEETING W/ BAKER TOOL HAND, SINGLE SHOT WIRELINE SER. & RIG CREW RIG IN & SET BAKER WG WIRLINE SET, TUBING RETRIEABLE BRIDGE PLUG AT @ 2000' KB (1966' GL) RIG OUT WIRELINE TRUCK
	11:30 - 12:00	0.50	D	18		PRESS. TEST BRIDGE PLUG TO 1500 PSI FOR 15 MIN. OK
	12:00 - 17:45	5.75	D	01		CHANGE TOP & BTM. PIPE RAMS F/ 4" TO 5". RIG DOWN RIG (BUOY LINE, KILL LINE, FLOW LINE, FILL LINE, CHOKE LINE, GAS

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Rig Name: PRECISION

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/22/2010	12:00 - 17:45	5.75	D	01		BUSTER LINE, FLARE STACK, GO THROUGH PUMPS, CLEAN & WINTERIZE MUD TANKS, ACCUMULATOR LINES, STACK TURN BUCKLES & SPILL TRAY.
	17:45 - 18:00	0.25	D	06		LUBRICATE RIG.
	18:00 - 18:15	0.25	D	18		CREW CHANGE & SAFETY MEETING ON NIPPLE DOWN, WORKING AROUND VAC. TRUCK & LOADER USE.
	18:15 - 00:00	5.75	D	01		NIPPLE DOWN ROTATING HEAD, LADDERS & SCAFFOLDING, RIG OUT PUMPS & MANIFOLD SHACK & TANKS.
	00:00 - 00:15	0.25	D	18		SAFETY MEETING ON SLIP DRILL LINE, RIG OUT TOP DRIVE.
2/23/2010	00:15 - 06:00	5.75	D	01		RIG DOWN TOP DRIVE & CONTINUE TO RIG DOWN TANKS.
	06:00 - 06:15	0.25	D	01		HAND OVER & PRETOUR SAFETY MEETING
	06:15 - 18:00	11.75	D	01		FINISH RIGGING OUT TOP DRIVE REMOVE CATCH PAN, GRANT ROTATING HEAD, KILL & CHOKE LINES, BOP SCAFFOLDING & HYDRAULIC LINES FINISH CLEANING MUD TANKS (WELDER FABRICATING NEW MUD GUNS & MAKING REPAIRS TO MUD TANK) LOADED OUT ALL 4" HWDP, DP & HANDLING TOOLS TO ZECO IN VERNAL UTAH RIG OUT DRILL FLOOR & PREPARE TO LOWER RACKING PLAT FORM
	18:00 - 18:15	0.25	D	18		SAFETY MEETING RIGGING OUT
	18:15 - 00:00	5.75	D	01		CONT. WITH GENERAL RIG OUT
	00:00 - 06:00	6.00	D	01		CONT. WITH GENERAL RIG OUT. RIG RELEASED AT 0600 HRS.

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Printed: 4/9/2010 3:12:52 PM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL
AMENDED REPORT FORM 6
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____									
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____									
2. NAME OF OPERATOR: El Paso E & P Company, L.P.									
3. ADDRESS OF OPERATOR: 1099 18th St. #1900 CITY Denver STATE CO ZIP 80202						PHONE NUMBER: (303) 291-6417			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2215 FSL & 1199 FEL 2S 5W 31 AT TOP PRODUCING INTERVAL REPORTED BELOW: 700 FNL & 700 FWL AT TOTAL DEPTH: 700 FNL & 700 FWL 4557 FSL 4333 FEL									
5. LEASE DESIGNATION AND SERIAL NUMBER: Fee									
6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
7. UNIT OR CA AGREEMENT NAME									
8. WELL NAME and NUMBER: Owl & Hawk 2-31B5									
9. API NUMBER: 4301334409-34123									
10. FIELD AND POOL, OR WILDCAT Altamont									
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 17 3S 5W U									
12. COUNTY Duchesne						13. STATE UTAH			
14. DATE SPURRED: 10/22/2009		15. DATE T.D. REACHED: 1/23/2010		16. DATE COMPLETED: 4/15/2010		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 6269 ungraded GL	
18. TOTAL DEPTH: MD 13,938 TVD 12,995		19. PLUG BACK T.D.: MD N/A TVD 0		20. IF MULTIPLE COMPLETIONS, HOW MANY? * NO		21. DEPTH BRIDGE MD N/A PLUG SET: TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Quad Combo						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)			
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
	13.375 J55	54.5	0	1,500		G 450	306	0	
						G 640	130		
12.25	9.625 N80	40	0	4,628		G 776	393	0	
						G 206	59		
8.75	7 P110	29	0	10,138		G 290	204		
						G 255	104		
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2.875	9,630	9,630	7"						
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	10,077	13,938			13,445 13,779	.27	207	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)					13,071 13,407	.27	189	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)					12,753 13,000	.27	222	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)					12,327 12,710	.27	222	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL								
13445 13779	5000 gal 15% HCL, 5000# 100 mesh sand, 101952# interprop 20/40 sand								
13071 13407	5000 gal 15% HCL, 9000# 100 mesh sand, 94105# interprop 20/40 sand								
12753 13000	5000 gal 15% HCL, 6000# 100 mesh sand, 79239# interprop 20/40 sand								
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input checked="" type="checkbox"/> DIRECTIONAL SURVEY								Prod	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER: _____									

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JUN 14 2010

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 4/15/2010											TEST DATE: 4/17/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 338		GAS – MCF: 224		WATER – BBL: 406		PROD. METHOD: ESP	
CHOKE SIZE: 24		TBG. PRESS. 0		CSG. PRESS. 200		API GRAVITY 43.5		BTU – GAS 1,226		GAS/OIL RATIO 1		24 HR PRODUCTION RATES: →		OIL – BBL: 338		GAS – MCF: 224		WATER – BBL: 406		INTERVAL STATUS: open				

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GRRV	4,668	5,652	Stacked SS,siltstone, shale, dolo., LS		
GRTN1	5,652	6,793	Stacked SS,siltstone, shale, dolo., LS		
GRMHB	6,793	8,356	Stacked SS,siltstone, shale, dolo., LS		
TGR3	8,356	10,077	Stacked SS,siltstone, shale, dolo., LS		
WASATCH	10,077	13,938	Stacked SS,siltstone, shale, dolo., LS		

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Marie OKeefe

TITLE Sr. Regulatory Analyst

SIGNATURE



DATE

6/3/2010

6/9/10

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

6/9/10
additional form 8 data for completion.

Owl & Hawk 2-31B5

17-3S-5W NESW

24. (continued) CASING AND LINER RECORD

Hole	size/grade	wt.	top	btm	cmt	sx	slurry	cmt top
6.125	4.5 P110	13.5	9906	13894	G	265	102	9906

27. (continued) PERFORATION RECORD

Interval	size	No. Holes
12142-12284	.27	126 open

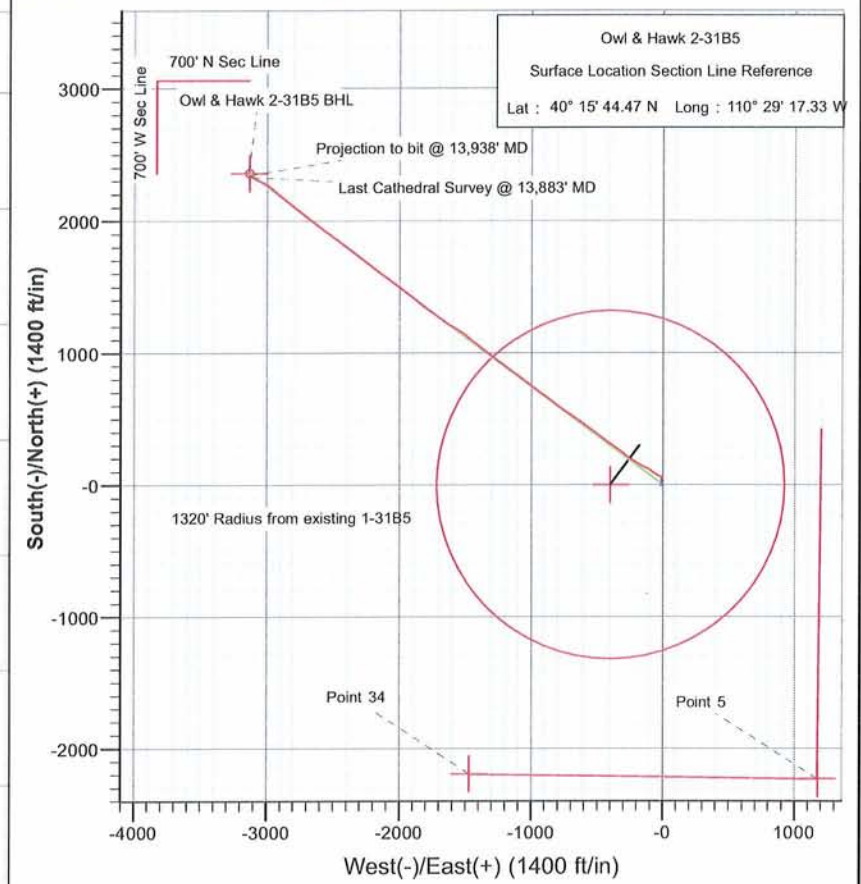
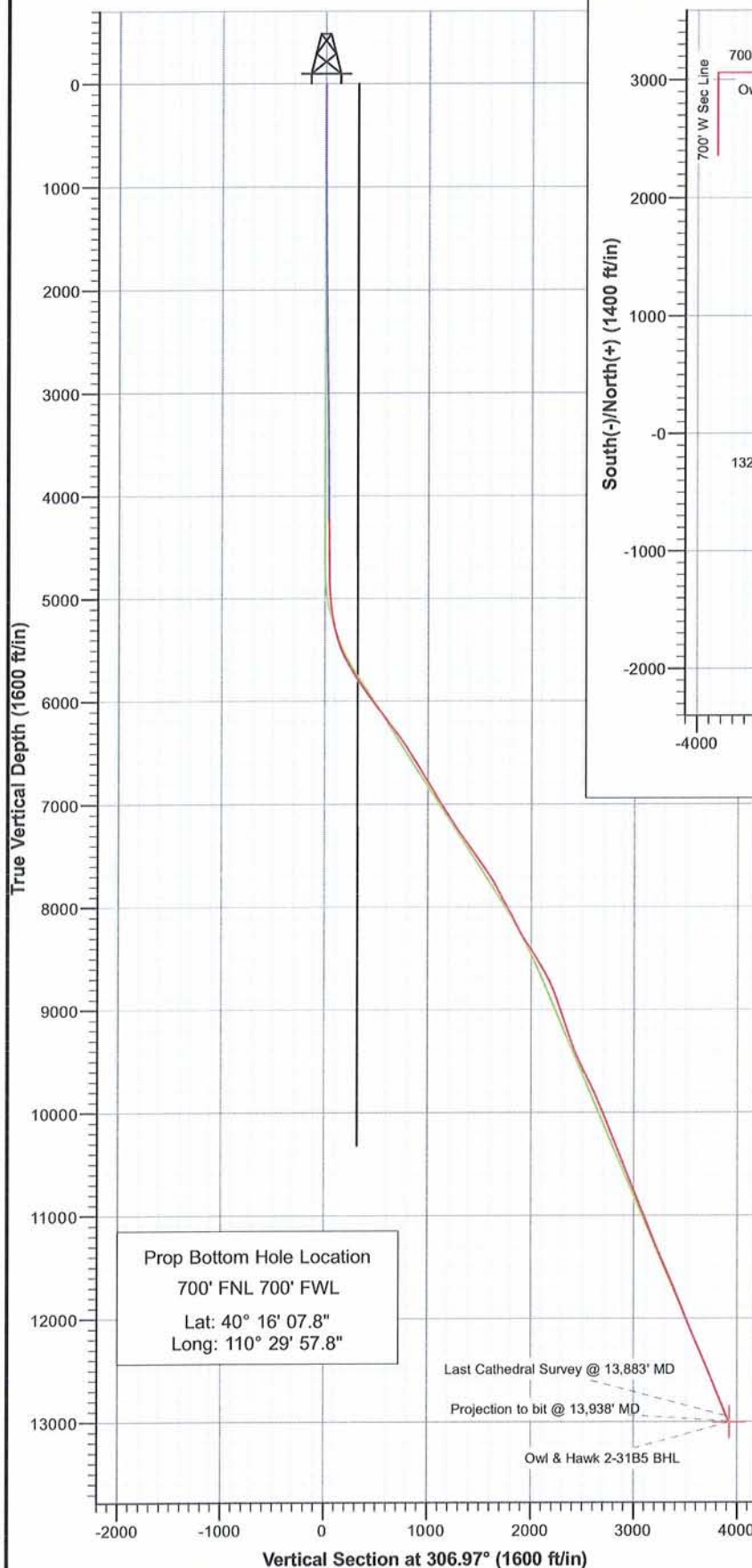
28. (continued) ACID FRACTURE TREATMENT

12327-12710 5000 gal 15% HCL, 6000# 100 mesh sand, 109737# interprop 20/40 sand

12142-12284 5000 gal 15% HCL, 4000# 100 mesh sand, 63101# interprop 20/40 sand



Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Plan: DD



Azimuths to True North
Magnetic North: 11.69°

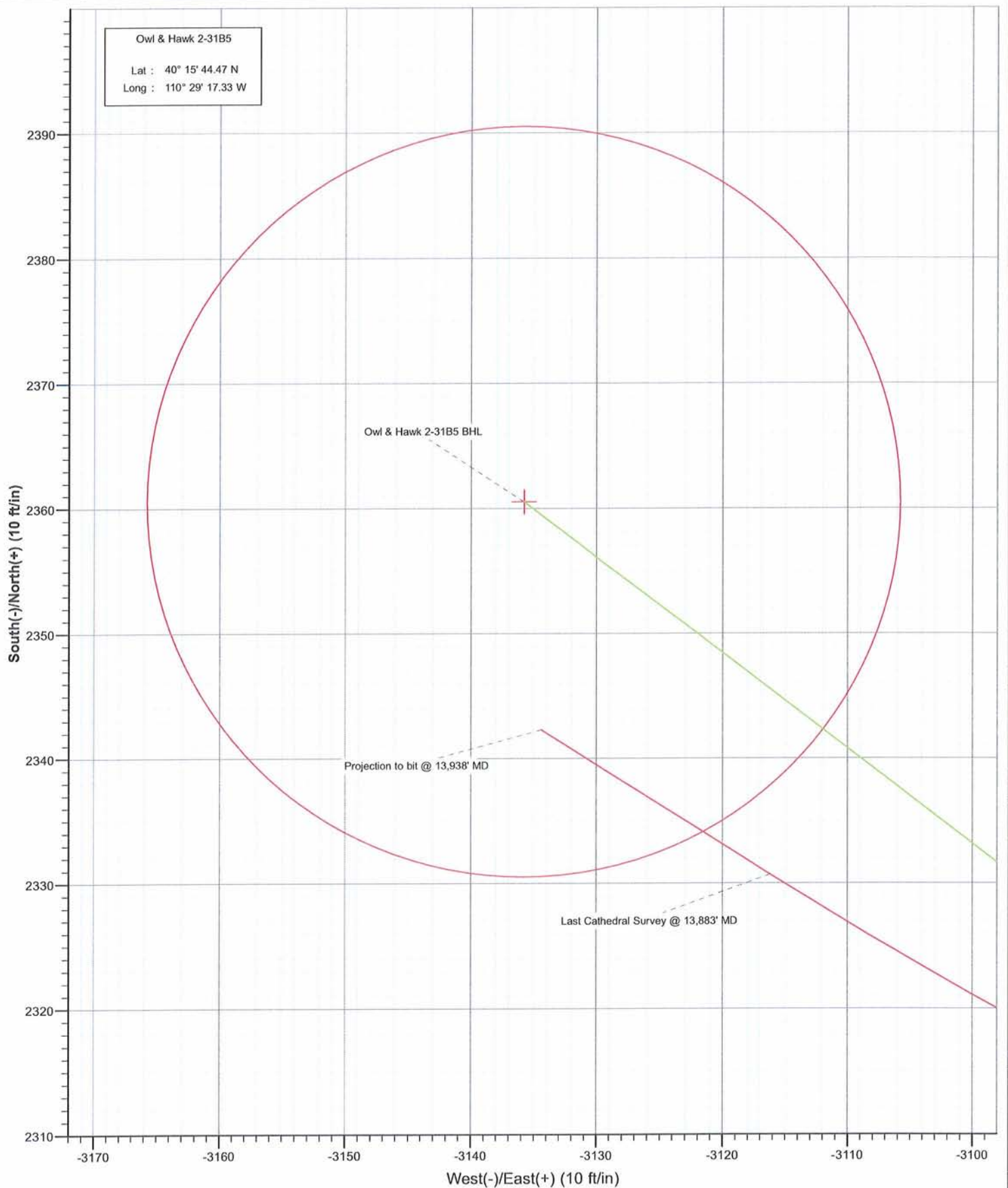
Magnetic Field
Strength: 52453.3snT
Dip Angle: 65.92°
Date: 2/12/2010
Model: IGRF2010

DESIGN DETAILS: DD
Job# 95288: KR
KBE @ 6300.0ft (Precision 426)

Target	Azimuth	Origin Type	N/S	E/W
No Target (Freehand)	306.97	Slot	0.0	0.0



Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Plan: DD



Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Project Duchesne County, UT
Map System: Universal Transverse Mercator (US Survey Feet) **System Datum:** Mean Sea Level
Geo Datum: NAD83 Utah - HARN
Map Zone: Zone 12N (114 W to 108 W)

Site Owl & Hawk 2-31B5
Site Position:
From: Lat/Long
Position Uncertainty: 0.0 ft
Northing: 14,622,709.96 ft
Easting: 1,783,215.13 ft
Slot Radius: in
Latitude: 40° 15' 44.47 N
Longitude: 110° 29' 17.33 W
Grid Convergence: 0.33 °

Well Owl & Hawk 2-31B5
Well Position +N/-S 0.0 ft **Northing:** 14,622,710.05 ft **Latitude:** 40° 15' 44.47 N
+ E/-W 0.0 ft **Easting:** 1,783,215.16 ft **Longitude:** 110° 29' 17.33 W
Position Uncertainty 0.0 ft **Wellhead Elevation:** ft **Ground Level:** 6,269.0 ft

Wellbore DD
Magnetics
Model Name IGRF2010 **Sample Date** 2/12/2010 **Declination (°)** 11.69 **Dip Angle (°)** 65.92 **Field Strength (nT)** 52,453

Design DD
Audit Notes:
Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0
Vertical Section: **Depth From (TVD)** **+N/-S (ft)** **+E/-W (ft)** **Direction (°)**
0.0 0.0 0.0 306.97

Survey Program **Date** 2/12/2010
From (ft) **To (ft)** **Survey (Wellbore)** **Tool Name** **Description**
1,608.0 4,237.0 Survey #1 (DD) MWD Geolink MWD
4,583.0 13,938.0 Survey #2 (DD) MWD Geolink MWD

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
1,608.0	0.90	250.80	1,607.9	-4.2	-11.9	7.0	0.06	0.06	
1,701.0	1.10	259.00	1,700.9	-4.6	-13.5	8.0	0.26	0.22	
1,794.0	1.50	277.40	1,793.9	-4.6	-15.6	9.7	0.62	0.43	
1,887.0	1.10	295.90	1,886.9	-4.0	-17.6	11.6	0.62	-0.43	
1,981.0	0.30	28.00	1,980.9	-3.4	-18.3	12.6	1.22	-0.85	
2,077.0	0.90	37.50	2,076.9	-2.6	-17.7	12.6	0.63	0.62	
2,171.0	1.80	15.20	2,170.8	-0.6	-16.9	13.1	1.09	0.96	
2,260.0	2.10	7.10	2,259.8	2.4	-16.3	14.5	0.46	0.34	
2,354.0	2.10	7.30	2,353.7	5.8	-15.9	16.2	0.01	0.00	
2,451.0	2.10	7.00	2,450.7	9.3	-15.4	17.9	0.01	0.00	
2,544.0	2.00	8.90	2,543.6	12.6	-15.0	19.5	0.13	-0.11	

Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
2,638.0	2.00	12.40	2,637.5	15.8	-14.4	21.0	0.13	0.00	
2,731.0	1.90	7.50	2,730.5	19.0	-13.8	22.4	0.21	-0.11	
2,821.0	1.90	10.70	2,820.4	21.9	-13.3	23.8	0.12	0.00	
2,917.0	1.70	14.20	2,916.4	24.8	-12.7	25.1	0.24	-0.21	
3,012.0	1.70	11.90	3,011.3	27.6	-12.1	26.2	0.07	0.00	
3,106.0	1.70	11.20	3,105.3	30.3	-11.5	27.4	0.02	0.00	
3,202.0	1.70	9.50	3,201.3	33.1	-11.0	28.7	0.05	0.00	
3,291.0	1.50	10.40	3,290.2	35.6	-10.6	29.8	0.23	-0.22	
3,384.0	1.50	351.80	3,383.2	38.0	-10.5	31.2	0.52	0.00	
3,480.0	1.30	351.30	3,479.2	40.3	-10.9	32.9	0.21	-0.21	
3,542.0	1.17	350.98	3,541.2	41.6	-11.1	33.9	0.21	-0.21	
3,671.0	1.00	7.10	3,670.1	44.0	-11.1	35.4	0.27	-0.13	
3,763.0	1.10	23.80	3,762.1	45.6	-10.7	36.0	0.35	0.11	
3,858.0	1.10	24.30	3,857.1	47.3	-9.9	36.4	0.01	0.00	
3,955.0	1.00	33.70	3,954.1	48.9	-9.1	36.6	0.20	-0.10	
4,146.0	0.80	28.10	4,145.1	51.4	-7.5	36.9	0.11	-0.10	
4,237.0	0.20	344.70	4,236.1	52.1	-7.3	37.2	0.74	-0.66	
4,583.0	1.50	311.60	4,582.0	55.7	-10.8	42.1	0.39	0.38	
4,731.0	1.30	101.70	4,730.0	56.7	-10.6	42.6	1.83	-0.14	
4,824.0	1.10	277.40	4,823.0	56.6	-10.5	42.4	2.58	-0.22	
4,917.0	3.80	310.30	4,915.9	58.7	-13.7	46.2	3.16	2.90	
4,963.0	4.00	301.60	4,961.8	60.5	-16.2	49.4	1.36	0.43	
5,010.0	5.70	293.60	5,008.6	62.3	-19.8	53.3	3.88	3.62	
5,056.0	6.20	292.90	5,054.4	64.2	-24.2	57.9	1.10	1.09	
5,104.0	7.00	294.70	5,102.1	66.4	-29.2	63.3	1.72	1.67	
5,135.0	8.00	295.10	5,132.8	68.1	-32.9	67.2	3.23	3.23	
5,165.0	8.80	297.30	5,162.5	70.0	-36.8	71.5	2.87	2.67	
5,196.0	10.30	296.30	5,193.0	72.4	-41.4	76.6	4.87	4.84	
5,227.0	10.80	296.50	5,223.5	74.9	-46.5	82.2	1.62	1.61	
5,258.0	12.00	301.80	5,253.9	77.9	-51.8	88.2	5.13	3.87	
5,289.0	12.30	304.20	5,284.2	81.4	-57.3	94.7	1.89	0.97	
5,320.0	13.60	304.60	5,314.4	85.4	-63.0	101.7	4.20	4.19	
5,351.0	14.90	304.10	5,344.5	89.7	-69.3	109.3	4.21	4.19	
5,382.0	16.70	305.90	5,374.3	94.5	-76.2	117.7	6.02	5.81	
5,413.0	17.80	305.90	5,403.9	99.9	-83.7	126.9	3.55	3.55	
5,444.0	18.70	304.70	5,433.3	105.5	-91.6	136.6	3.15	2.90	
5,475.0	19.90	302.40	5,462.6	111.2	-100.1	146.9	4.58	3.87	
5,507.0	21.50	300.80	5,492.5	117.1	-109.8	158.1	5.30	5.00	
5,539.0	23.90	299.40	5,522.0	123.3	-120.5	170.4	7.69	7.50	
5,570.0	26.10	297.80	5,550.1	129.5	-132.0	183.3	7.42	7.10	
5,602.0	28.20	297.90	5,578.6	136.4	-144.9	197.8	6.56	6.56	
5,632.0	29.00	295.40	5,605.0	142.8	-157.7	211.9	4.80	2.67	
5,664.0	29.60	297.40	5,632.9	149.8	-171.7	227.3	3.59	1.87	
5,695.0	29.30	298.00	5,659.9	156.8	-185.2	242.3	1.36	-0.97	
5,726.0	30.50	301.60	5,686.7	164.5	-198.6	257.6	6.96	3.87	
5,758.0	31.20	302.30	5,714.2	173.2	-212.5	274.0	2.46	2.19	
5,789.0	31.50	302.90	5,740.7	181.9	-226.1	290.1	1.40	0.97	
5,820.0	31.50	303.50	5,767.1	190.8	-239.7	306.2	1.01	0.00	
5,851.0	32.40	304.60	5,793.4	200.0	-253.3	322.6	3.46	2.90	
5,883.0	34.20	307.40	5,820.2	210.3	-267.5	340.2	7.40	5.62	
5,915.0	35.00	308.30	5,846.5	221.4	-281.8	358.3	2.97	2.50	
5,947.0	34.60	307.50	5,872.8	232.7	-296.2	376.6	1.90	-1.25	
5,979.0	35.00	308.00	5,899.1	243.8	-310.7	394.9	1.54	1.25	

Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
6,011.0	34.80	307.30	5,925.3	255.0	-325.2	413.2	1.40	-0.62	
6,042.0	35.40	307.80	5,950.7	265.9	-339.3	431.0	2.15	1.94	
6,073.0	35.90	307.90	5,975.8	277.0	-353.6	449.1	1.62	1.61	
6,103.0	35.40	305.20	6,000.2	287.4	-367.6	466.5	5.50	-1.67	
6,134.0	35.90	305.20	6,025.4	297.8	-382.4	484.6	1.61	1.61	
6,165.0	35.60	303.10	6,050.6	308.0	-397.4	502.7	4.07	-0.97	
6,196.0	36.80	304.50	6,075.6	318.2	-412.6	521.0	4.70	3.87	
6,229.0	36.90	303.70	6,102.0	329.3	-429.0	540.7	1.49	0.30	
6,260.0	37.40	306.70	6,126.7	340.0	-444.3	559.4	6.06	1.61	
6,291.0	37.50	307.70	6,151.3	351.4	-459.3	578.3	1.99	0.32	
6,321.0	37.00	307.30	6,175.2	362.5	-473.7	596.4	1.85	-1.67	
6,352.0	36.90	307.10	6,200.0	373.8	-488.5	615.1	0.50	-0.32	
6,383.0	38.10	305.90	6,224.6	385.0	-503.7	633.9	4.53	3.87	
6,414.0	39.30	308.10	6,248.8	396.6	-519.2	653.3	5.89	3.87	
6,446.0	39.10	308.60	6,273.6	409.2	-535.0	673.5	1.17	-0.62	
6,477.0	38.80	308.00	6,297.7	421.3	-550.3	693.0	1.55	-0.97	
6,508.0	37.40	306.70	6,322.1	432.9	-565.5	712.2	5.20	-4.52	
6,539.0	36.30	306.80	6,346.9	444.0	-580.4	730.7	3.55	-3.55	
6,570.0	34.80	306.50	6,372.1	454.8	-594.9	748.8	4.87	-4.84	
6,601.0	33.50	305.80	6,397.7	465.0	-608.9	766.2	4.38	-4.19	
6,631.0	32.30	306.00	6,422.9	474.6	-622.1	782.5	4.02	-4.00	
6,663.0	32.70	306.70	6,449.9	484.8	-636.0	799.7	1.72	1.25	
6,695.0	32.10	306.30	6,476.9	495.0	-649.8	816.8	1.99	-1.87	
6,727.0	32.30	306.00	6,504.0	505.0	-663.5	833.9	0.80	0.62	
6,758.0	33.00	304.20	6,530.1	514.6	-677.2	850.6	3.86	2.26	
6,789.0	32.30	303.80	6,556.2	524.0	-691.1	867.3	2.36	-2.26	
6,821.0	31.50	303.10	6,583.4	533.3	-705.2	884.1	2.75	-2.50	
6,852.0	31.20	302.40	6,609.9	542.0	-718.7	900.2	1.52	-0.97	
6,883.0	30.40	300.90	6,636.5	550.4	-732.3	916.0	3.58	-2.58	
6,914.0	30.00	303.50	6,663.3	558.7	-745.4	931.6	4.41	-1.29	
6,946.0	30.10	304.50	6,691.0	567.6	-758.7	947.6	1.60	0.31	
6,977.0	30.20	304.90	6,717.8	576.5	-771.5	963.1	0.72	0.32	
7,010.0	30.50	306.40	6,746.3	586.2	-785.1	979.8	2.47	0.91	
7,038.0	30.90	309.60	6,770.3	595.0	-796.3	994.1	6.01	1.43	
7,069.0	31.00	308.90	6,796.9	605.1	-808.7	1,010.0	1.21	0.32	
7,101.0	31.60	309.20	6,824.3	615.6	-821.6	1,026.6	1.94	1.87	
7,132.0	31.40	307.90	6,850.7	625.7	-834.3	1,042.8	2.28	-0.65	
7,163.0	31.70	308.80	6,877.1	635.7	-847.0	1,059.0	1.80	0.97	
7,194.0	31.20	306.90	6,903.6	645.7	-859.8	1,075.2	3.58	-1.61	
7,226.0	31.50	307.30	6,930.9	655.7	-873.0	1,091.9	1.14	0.94	
7,258.0	31.60	305.90	6,958.2	665.7	-886.5	1,108.6	2.31	0.31	
7,289.0	31.40	306.60	6,984.6	675.3	-899.5	1,124.8	1.34	-0.65	
7,320.0	31.40	303.80	7,011.1	684.6	-912.7	1,140.9	4.71	0.00	
7,351.0	31.20	305.30	7,037.6	693.7	-926.0	1,157.0	2.60	-0.65	
7,382.0	30.50	304.40	7,064.2	702.8	-939.0	1,172.9	2.70	-2.26	
7,413.0	31.00	304.60	7,090.8	711.8	-952.1	1,188.7	1.65	1.61	
7,445.0	31.60	307.30	7,118.2	721.5	-965.6	1,205.4	4.77	1.87	
7,475.0	32.40	308.50	7,143.6	731.3	-978.1	1,221.3	3.41	2.67	
7,506.0	32.30	307.20	7,169.8	741.5	-991.2	1,237.8	2.27	-0.32	
7,538.0	32.80	308.20	7,196.8	752.0	-1,004.8	1,255.1	2.30	1.56	
7,569.0	33.40	308.50	7,222.7	762.5	-1,018.1	1,272.0	2.01	1.94	
7,600.0	34.00	307.20	7,248.5	773.1	-1,031.7	1,289.2	3.03	1.94	
7,631.0	34.40	307.90	7,274.2	783.7	-1,045.5	1,306.6	1.81	1.29	

Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
7,660.0	34.80	308.90	7,298.0	793.9	-1,058.4	1,323.1	2.40	1.38	
7,691.0	34.30	306.20	7,323.6	804.6	-1,072.3	1,340.6	5.20	-1.61	
7,722.0	34.20	306.20	7,349.2	814.9	-1,086.4	1,358.1	0.32	-0.32	
7,753.0	34.50	305.90	7,374.8	825.2	-1,100.5	1,375.6	1.11	0.97	
7,785.0	34.90	307.40	7,401.1	836.1	-1,115.2	1,393.8	2.95	1.25	
7,815.0	35.20	306.80	7,425.6	846.5	-1,128.9	1,411.0	1.52	1.00	
7,846.0	35.20	305.20	7,451.0	857.0	-1,143.4	1,428.9	2.98	0.00	
7,878.0	35.10	306.80	7,477.1	867.8	-1,158.3	1,447.3	2.90	-0.31	
7,909.0	34.50	306.20	7,502.6	878.3	-1,172.5	1,465.0	2.23	-1.94	
7,940.0	34.50	306.70	7,528.1	888.8	-1,186.6	1,482.5	0.91	0.00	
7,971.0	34.50	305.20	7,553.7	899.1	-1,200.8	1,500.1	2.74	0.00	
8,001.0	35.20	306.70	7,578.3	909.2	-1,214.7	1,517.2	3.69	2.33	
8,033.0	35.60	307.40	7,604.4	920.3	-1,229.5	1,535.8	1.78	1.25	
8,064.0	35.20	306.70	7,629.7	931.1	-1,243.8	1,553.7	1.84	-1.29	
8,096.0	34.80	307.80	7,655.9	942.3	-1,258.4	1,572.1	2.33	-1.25	
8,127.0	33.00	305.60	7,681.6	952.6	-1,272.3	1,589.4	7.03	-5.81	
8,159.0	31.60	308.10	7,708.7	962.8	-1,286.0	1,606.5	6.05	-4.37	
8,190.0	30.70	308.10	7,735.2	972.7	-1,298.6	1,622.5	2.90	-2.90	
8,222.0	29.20	308.40	7,762.9	982.6	-1,311.1	1,638.5	4.71	-4.69	
8,254.0	28.30	307.60	7,791.0	992.1	-1,323.3	1,653.9	3.06	-2.81	
8,285.0	27.80	308.30	7,818.3	1,001.1	-1,334.8	1,668.4	1.93	-1.61	
8,317.0	27.30	308.20	7,846.7	1,010.2	-1,346.4	1,683.2	1.57	-1.56	
8,348.0	27.40	309.10	7,874.2	1,019.1	-1,357.5	1,697.5	1.37	0.32	
8,381.0	27.70	307.00	7,903.5	1,028.5	-1,369.5	1,712.7	3.08	0.91	
8,412.0	28.40	307.30	7,930.9	1,037.3	-1,381.1	1,727.3	2.30	2.26	
8,442.0	28.70	307.00	7,957.2	1,046.0	-1,392.6	1,741.6	1.11	1.00	
8,474.0	28.30	306.90	7,985.3	1,055.2	-1,404.8	1,756.9	1.26	-1.25	
8,505.0	27.60	307.20	8,012.7	1,063.9	-1,416.4	1,771.4	2.30	-2.26	
8,537.0	27.50	309.80	8,041.1	1,073.1	-1,427.9	1,786.2	3.77	-0.31	
8,567.0	27.50	308.60	8,067.7	1,081.9	-1,438.7	1,800.1	1.85	0.00	
8,599.0	27.70	311.10	8,096.1	1,091.4	-1,450.1	1,814.9	3.67	0.62	
8,631.0	27.10	310.40	8,124.5	1,101.0	-1,461.2	1,829.6	2.13	-1.87	
8,662.0	26.70	310.30	8,152.1	1,110.1	-1,471.9	1,843.6	1.30	-1.29	
8,694.0	25.80	308.80	8,180.8	1,119.1	-1,482.8	1,857.7	3.49	-2.81	
8,725.0	25.50	308.60	8,208.8	1,127.5	-1,493.3	1,871.1	1.01	-0.97	
8,755.0	25.80	306.70	8,235.8	1,135.4	-1,503.6	1,884.1	2.92	1.00	
8,787.0	28.70	305.90	8,264.2	1,144.1	-1,515.4	1,898.8	9.13	9.06	
8,819.0	31.20	302.60	8,292.0	1,153.1	-1,528.6	1,914.7	9.35	7.81	
8,850.0	33.30	303.70	8,318.2	1,162.1	-1,542.4	1,931.2	7.03	6.77	
8,882.0	33.10	301.30	8,345.0	1,171.5	-1,557.2	1,948.7	4.15	-0.62	
8,913.0	33.90	302.30	8,370.8	1,180.5	-1,571.8	1,965.7	3.14	2.58	
8,945.0	33.90	300.50	8,397.4	1,189.8	-1,587.0	1,983.5	3.14	0.00	
8,976.0	33.80	300.20	8,423.1	1,198.6	-1,601.9	2,000.6	0.63	-0.32	
9,008.0	33.40	300.10	8,449.8	1,207.4	-1,617.2	2,018.2	1.26	-1.25	
9,039.0	32.70	303.20	8,475.8	1,216.3	-1,631.6	2,035.0	5.90	-2.26	
9,071.0	31.10	304.40	8,502.9	1,225.7	-1,645.6	2,051.9	5.38	-5.00	
9,102.0	30.30	305.20	8,529.6	1,234.7	-1,658.6	2,067.7	2.90	-2.58	
9,134.0	30.80	309.10	8,557.1	1,244.6	-1,671.6	2,084.0	6.39	1.56	
9,165.0	29.90	307.80	8,583.9	1,254.3	-1,683.9	2,099.7	3.59	-2.90	
9,196.0	29.70	308.70	8,610.8	1,263.8	-1,696.0	2,115.1	1.58	-0.65	
9,228.0	28.60	307.20	8,638.7	1,273.4	-1,708.2	2,130.6	4.13	-3.44	
9,260.0	28.20	306.50	8,666.9	1,282.6	-1,720.4	2,145.9	1.63	-1.25	
9,291.0	27.80	306.50	8,694.3	1,291.2	-1,732.1	2,160.4	1.29	-1.29	

Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
9,323.0	25.80	303.80	8,722.8	1,299.5	-1,743.9	2,174.8	7.32	-6.25	
9,354.0	24.20	302.40	8,750.9	1,306.7	-1,754.9	2,187.9	5.50	-5.16	
9,386.0	23.70	304.10	8,780.2	1,313.8	-1,765.7	2,200.9	2.66	-1.56	
9,416.0	22.10	304.40	8,807.8	1,320.4	-1,775.4	2,212.5	5.35	-5.33	
9,448.0	20.10	304.20	8,837.7	1,326.9	-1,784.9	2,224.0	6.25	-6.25	
9,480.0	19.50	305.40	8,867.8	1,333.1	-1,793.8	2,234.9	2.26	-1.87	
9,512.0	18.70	304.70	8,898.0	1,339.1	-1,802.4	2,245.3	2.60	-2.50	
9,544.0	18.50	304.70	8,928.3	1,344.9	-1,810.8	2,255.5	0.62	-0.62	
9,575.0	18.90	305.30	8,957.7	1,350.6	-1,818.9	2,265.5	1.43	1.29	
9,606.0	19.70	309.20	8,987.0	1,356.8	-1,827.1	2,275.7	4.89	2.58	
9,638.0	19.60	310.60	9,017.1	1,363.7	-1,835.3	2,286.4	1.50	-0.31	
9,669.0	19.50	311.50	9,046.3	1,370.5	-1,843.1	2,296.8	1.02	-0.32	
9,701.0	18.90	311.90	9,076.5	1,377.5	-1,851.0	2,307.3	1.92	-1.87	
9,732.0	18.50	310.10	9,105.9	1,384.0	-1,858.5	2,317.2	2.26	-1.29	
9,764.0	18.70	308.70	9,136.2	1,390.5	-1,866.4	2,327.4	1.53	0.62	
9,795.0	19.50	310.40	9,165.5	1,397.0	-1,874.2	2,337.5	3.14	2.58	
9,827.0	19.70	310.50	9,195.7	1,403.9	-1,882.4	2,348.2	0.63	0.62	
9,858.0	19.40	311.00	9,224.9	1,410.7	-1,890.2	2,358.6	1.11	-0.97	
9,889.0	19.30	309.20	9,254.1	1,417.3	-1,898.1	2,368.8	1.95	-0.32	
9,921.0	19.60	307.60	9,284.3	1,423.9	-1,906.4	2,379.5	1.91	0.94	
9,953.0	19.30	305.20	9,314.5	1,430.3	-1,915.0	2,390.1	2.67	-0.94	
9,985.0	19.70	306.50	9,344.6	1,436.5	-1,923.7	2,400.8	1.84	1.25	
10,016.0	20.10	306.80	9,373.8	1,442.8	-1,932.1	2,411.4	1.33	1.29	
10,048.0	20.60	306.80	9,403.8	1,449.5	-1,941.0	2,422.5	1.56	1.56	
10,079.0	21.50	306.70	9,432.7	1,456.1	-1,950.0	2,433.6	2.91	2.90	
10,111.0	23.10	306.70	9,462.3	1,463.4	-1,959.7	2,445.8	5.00	5.00	
10,142.0	24.60	306.50	9,490.7	1,470.9	-1,969.8	2,458.3	4.85	4.84	
10,211.0	26.00	307.30	9,553.0	1,488.6	-1,993.3	2,487.8	2.09	2.03	
10,243.0	26.20	307.70	9,581.8	1,497.1	-2,004.5	2,501.9	0.83	0.62	
10,275.0	26.50	307.40	9,610.5	1,505.8	-2,015.8	2,516.1	1.03	0.94	
10,307.0	26.80	308.70	9,639.1	1,514.6	-2,027.1	2,530.4	2.05	0.94	
10,339.0	26.80	307.60	9,667.6	1,523.6	-2,038.4	2,544.9	1.55	0.00	
10,371.0	26.40	307.70	9,696.2	1,532.3	-2,049.8	2,559.2	1.26	-1.25	
10,403.0	26.20	307.40	9,724.9	1,541.0	-2,061.0	2,573.4	0.75	-0.62	
10,434.0	26.20	306.20	9,752.7	1,549.2	-2,072.0	2,587.0	1.71	0.00	
10,466.0	25.70	307.10	9,781.5	1,557.5	-2,083.2	2,601.1	1.99	-1.56	
10,498.0	25.00	306.50	9,810.4	1,565.7	-2,094.2	2,614.8	2.33	-2.19	
10,530.0	24.00	306.40	9,839.6	1,573.6	-2,104.8	2,628.0	3.13	-3.12	
10,562.0	22.90	306.50	9,868.9	1,581.2	-2,115.1	2,640.8	3.44	-3.44	
10,594.0	22.60	305.30	9,898.4	1,588.4	-2,125.1	2,653.1	1.73	-0.94	
10,625.0	22.90	305.90	9,927.0	1,595.4	-2,134.9	2,665.1	1.22	0.97	
10,657.0	23.00	306.20	9,956.5	1,602.7	-2,144.9	2,677.6	0.48	0.31	
10,689.0	22.60	307.10	9,986.0	1,610.1	-2,154.9	2,690.0	1.66	-1.25	
10,721.0	22.70	308.00	10,015.5	1,617.7	-2,164.7	2,702.3	1.13	0.31	
10,753.0	22.10	309.20	10,045.1	1,625.3	-2,174.2	2,714.5	2.36	-1.87	
10,785.0	22.10	308.00	10,074.7	1,632.8	-2,183.6	2,726.5	1.41	0.00	
10,816.0	22.20	309.60	10,103.5	1,640.1	-2,192.7	2,738.2	1.97	0.32	
10,848.0	22.20	309.00	10,133.1	1,647.8	-2,202.1	2,750.3	0.71	0.00	
10,880.0	21.90	308.80	10,162.7	1,655.3	-2,211.4	2,762.3	0.97	-0.94	
10,912.0	20.90	307.00	10,192.5	1,662.5	-2,220.6	2,774.0	3.74	-3.12	
10,944.0	20.90	307.40	10,222.4	1,669.4	-2,229.7	2,785.4	0.45	0.00	
10,975.0	20.90	307.40	10,251.4	1,676.1	-2,238.5	2,796.4	0.00	0.00	
11,039.0	21.10	307.30	10,311.1	1,690.0	-2,256.7	2,819.4	0.32	0.31	

Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
11,103.0	21.60	307.60	10,370.7	1,704.2	-2,275.2	2,842.7	0.80	0.78	
11,166.0	21.70	307.50	10,429.3	1,718.3	-2,293.7	2,865.9	0.17	0.16	
11,230.0	21.80	307.10	10,488.7	1,732.7	-2,312.5	2,889.6	0.28	0.16	
11,294.0	21.90	306.00	10,548.1	1,746.9	-2,331.7	2,913.5	0.66	0.16	
11,357.0	21.90	306.80	10,606.6	1,760.8	-2,350.6	2,937.0	0.47	0.00	
11,421.0	22.00	306.40	10,666.0	1,775.1	-2,369.8	2,960.9	0.28	0.16	
11,485.0	22.00	306.60	10,725.3	1,789.4	-2,389.0	2,984.8	0.12	0.00	
11,548.0	22.50	306.90	10,783.6	1,803.6	-2,408.2	3,008.7	0.81	0.79	
11,612.0	22.00	307.60	10,842.8	1,818.3	-2,427.5	3,032.9	0.88	-0.78	
11,676.0	21.80	306.00	10,902.2	1,832.6	-2,446.6	3,056.8	0.98	-0.31	
11,739.0	21.10	306.00	10,960.9	1,846.1	-2,465.2	3,079.8	1.11	-1.11	
11,803.0	21.20	307.60	11,020.6	1,860.0	-2,483.7	3,102.9	0.92	0.16	
11,867.0	21.80	308.60	11,080.1	1,874.5	-2,502.1	3,126.4	1.10	0.94	
11,899.0	21.80	307.50	11,109.8	1,881.8	-2,511.5	3,138.3	1.28	0.00	
11,931.0	21.50	307.10	11,139.6	1,888.9	-2,520.9	3,150.1	1.04	-0.94	
11,994.0	21.60	307.70	11,198.1	1,903.0	-2,539.3	3,173.2	0.38	0.16	
12,058.0	22.00	307.80	11,257.6	1,917.5	-2,558.1	3,197.0	0.63	0.62	
12,122.0	22.50	305.50	11,316.8	1,932.0	-2,577.5	3,221.2	1.57	0.78	
12,186.0	22.50	305.70	11,375.9	1,946.3	-2,597.4	3,245.7	0.12	0.00	
12,250.0	23.50	308.00	11,434.8	1,961.3	-2,617.4	3,270.7	2.10	1.56	
12,314.0	23.50	307.40	11,493.5	1,976.9	-2,637.6	3,296.2	0.37	0.00	
12,377.0	23.00	307.00	11,551.4	1,991.9	-2,657.4	3,321.1	0.83	-0.79	
12,409.0	23.10	308.90	11,580.9	1,999.6	-2,667.3	3,333.6	2.35	0.31	
12,473.0	22.70	307.90	11,639.8	2,015.1	-2,686.8	3,358.5	0.87	-0.62	
12,537.0	21.80	307.40	11,699.1	2,029.9	-2,706.0	3,382.7	1.44	-1.41	
12,569.0	22.10	308.70	11,728.7	2,037.2	-2,715.4	3,394.7	1.78	0.94	
12,601.0	22.10	309.60	11,758.4	2,044.8	-2,724.8	3,406.7	1.06	0.00	
12,664.0	22.50	309.50	11,816.7	2,060.1	-2,743.2	3,430.6	0.64	0.63	
12,728.0	21.70	310.40	11,876.0	2,075.5	-2,761.7	3,454.6	1.36	-1.25	
12,760.0	20.50	309.60	11,905.8	2,082.9	-2,770.5	3,466.1	3.86	-3.75	
12,792.0	21.10	310.20	11,935.7	2,090.2	-2,779.2	3,477.5	1.99	1.87	
12,855.0	22.00	308.40	11,994.3	2,104.9	-2,797.1	3,500.6	1.77	1.43	
12,919.0	21.50	308.60	12,053.8	2,119.6	-2,815.7	3,524.3	0.79	-0.78	
12,951.0	21.80	308.40	12,083.5	2,127.0	-2,824.9	3,536.1	0.97	0.94	
12,983.0	22.20	308.40	12,113.2	2,134.4	-2,834.3	3,548.1	1.25	1.25	
13,014.0	22.40	307.10	12,141.9	2,141.6	-2,843.6	3,559.9	1.72	0.65	
13,046.0	23.20	306.60	12,171.4	2,149.1	-2,853.5	3,572.3	2.57	2.50	
13,110.0	24.00	305.10	12,230.0	2,164.1	-2,874.3	3,597.9	1.56	1.25	
13,174.0	23.80	309.00	12,288.5	2,179.7	-2,895.0	3,623.8	2.49	-0.31	
13,206.0	23.50	308.90	12,317.9	2,187.8	-2,905.0	3,636.6	0.95	-0.94	
13,238.0	22.90	309.80	12,347.3	2,195.7	-2,914.7	3,649.2	2.18	-1.87	
13,302.0	22.50	310.80	12,406.3	2,211.7	-2,933.5	3,673.9	0.87	-0.62	
13,365.0	23.00	310.50	12,464.4	2,227.6	-2,952.0	3,698.2	0.81	0.79	
13,429.0	23.30	311.00	12,523.3	2,244.0	-2,971.1	3,723.3	0.56	0.47	
13,493.0	22.60	305.20	12,582.2	2,259.4	-2,990.7	3,748.2	3.70	-1.09	
13,557.0	21.50	302.30	12,641.5	2,272.8	-3,010.7	3,772.2	2.42	-1.72	
13,589.0	20.80	301.90	12,671.4	2,278.9	-3,020.4	3,783.7	2.23	-2.19	
13,620.0	21.60	301.40	12,700.3	2,284.8	-3,030.0	3,794.9	2.65	2.58	
13,652.0	21.40	300.00	12,730.0	2,290.8	-3,040.1	3,806.5	1.72	-0.62	
13,684.0	20.70	296.20	12,759.9	2,296.2	-3,050.2	3,817.9	4.79	-2.19	
13,716.0	20.90	296.80	12,789.8	2,301.3	-3,060.4	3,829.0	0.91	0.62	
13,748.0	21.70	296.00	12,819.6	2,306.4	-3,070.8	3,840.5	2.66	2.50	
13,780.0	22.00	295.50	12,849.3	2,311.6	-3,081.5	3,852.2	1.10	0.94	

Cathedral Energy Services

Survey Report

Company: El Paso Exploration and Production
Project: Duchesne County, UT
Site: Owl & Hawk 2-31B5
Well: Owl & Hawk 2-31B5
Wellbore: DD
Design: DD

Local Co-ordinate Reference: Well Owl & Hawk 2-31B5
TVD Reference: KBE @ 6300.0ft (Precision 426)
MD Reference: KBE @ 6300.0ft (Precision 426)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: US EDM 2003.21 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
13,812.0	22.50	297.40	12,878.9	2,317.0	-3,092.3	3,864.1	2.74	1.56	
13,883.0	23.10	302.40	12,944.4	2,330.7	-3,116.2	3,891.3	2.86	0.85	
13,938.0	23.10	302.40	12,995.0	2,342.3	-3,134.4	3,912.9	0.00	0.00	

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Owl & Hawk 2-31B5 BHI - actual wellpath misses target center by 20.4ft at 13938.0ft MD (12995.0 TVD, 2342.3 N, -3134.4 E) - Circle (radius 30.0)	0.00	0.00	13,004.0	2,360.5	-3,135.8	14,625,052.41	1,780,065.80	40° 16' 7.80 N	110° 29' 57.80 W
Point 34 - actual wellpath misses target center by 13269.6ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E) - Point	0.00	0.00	-13,004.0	-2,193.9	-1,471.5	14,620,507.64	1,781,756.38	40° 15' 22.78 N	110° 29' 36.32 W
Point 5 - actual wellpath misses target center by 13246.1ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E) - Point	0.00	0.00	-13,004.0	-2,231.0	1,174.3	14,620,485.86	1,784,402.34	40° 15' 22.41 N	110° 29' 2.18 W
700' N Sec Line - actual wellpath misses target center by 13583.4ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E) - Polygon Point 1 Point 2	0.00	0.00	-13,004.0	2,360.5	-3,135.8	14,625,052.41	1,780,065.80	40° 16' 7.80 N	110° 29' 57.80 W
			-13,004.0	700.0	0.0	14,625,752.40	1,780,061.76		
			-13,004.0	700.0	-700.0	14,625,748.36	1,779,361.77		
700' W Sec Line - actual wellpath misses target center by 13583.4ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E) - Polygon Point 1 Point 2	0.00	0.00	-13,004.0	2,360.5	-3,135.8	14,625,052.41	1,780,065.80	40° 16' 7.80 N	110° 29' 57.80 W
			-13,004.0	700.0	-700.0	14,625,748.36	1,779,361.77		
			-13,004.0	0.0	-700.0	14,625,048.37	1,779,365.81		

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
4,237.0	4,236.1	52.1	-7.3	Last Total Survey @ 4237' MD
13,883.0	12,944.4	2,330.7	-3,116.2	Last Cathedral Survey @ 13,883' MD
13,938.0	12,995.0	2,342.3	-3,134.4	Projection to bit @ 13,938' MD

Checked By: _____ Approved By: _____ Date: _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: OWL and HAWK 2-31B5	
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP	9. API NUMBER: 43013341230000	
3. ADDRESS OF OPERATOR: 1001 Louisiana St. , Houston, TX, 77002	PHONE NUMBER: 713 420-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1199 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 31 Township: 02.0S Range: 05.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/7/2012	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for details. Adding perfs to Wasatch and acidizing.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: May 24, 2012

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 420-5038	TITLE Principle Regulatory Analyst
SIGNATURE N/A		DATE 5/2/2012

Owl & Hawk 2-31B5 Procedure Summary

- POOH w/rods, pump, and tubing
- Circulate & Clean wellbore
- RIH with 4-1/2" CIBP and set plug at ~11,800'
- Perforate new interval from in Wasatch from (11,582'-11,782')
- Acidize new perforations with 15,000 gals of 15% HCL
- RIH with 4-1/2" CBP and set plug at ~11,460'
- Perforate new intervals in the Wasatch from (11,260'-11,440')
- Acidize new perforations with 15,000 gals of 15% HCL
- RIH with 4-1/2" CBP and set plug at ~10,220'
- Perforate new intervals in the Wasatch from (10,078'-10,193')
- Acidize new perforations with 15,000 gals of 15% HCL
- Drill out CBPs at ~10,220', ~11,460' and ~11,800'
- RIH w/BHA, tubing, pump, and rods
- Clean location and resume production

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2012

FROM: (Old Operator):

N3065- El Paso E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

TO: (New Operator):

N3850- EP Energy E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

COMMENTS:

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

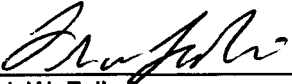
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases
2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		8. WELL NAME and NUMBER: See Attached
PHONE NUMBER: (713) 997-5038		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See Attached
STATE: UTAH		

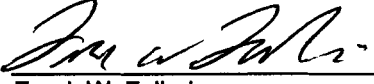
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Change of Name/Operator

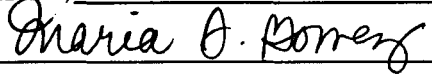
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.


Frank W. Falleri
Vice President
El Paso E&P Company, L.P.


Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

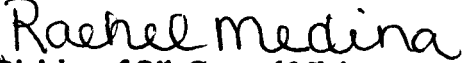
NAME (PLEASE PRINT) <u>Maria S. Gomez</u>	TITLE <u>Principal Regulatory Analyst</u>
SIGNATURE 	DATE <u>6/22/2012</u>

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012

Rachel Medina
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
Rachel Medina

(See Instructions on Reverse Side)

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSKY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

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AUG 14 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER Fee	
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input checked="" type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR: EP Energy E&P Company, L. P.		7. UNIT or CA AGREEMENT NAME	
3. ADDRESS OF OPERATOR: 1001 Louisiana, #2730B City Houston STATE TX ZIP 77002		8. WELL NAME and NUMBER: Owl & Hawk #2-31B5	
PHONE NUMBER: (713) 997-5138		9. API NUMBER: 4301334123	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2215' FSL & 1199' FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 2215' FSL & 1199' FEL AT TOTAL DEPTH: 2215' FSL & 1199' FEL		10. FIELD AND POOL, OR WILDCAT Altamont	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 31 2S 5W Meridian U.S.B. & M.		12. COUNTY Duchesne	
13. STATE UTAH		14. DATE SPUNDED: 10/22/2009	
15. DATE T.D. REACHED: 1/23/2010		16. DATE COMPLETED: 6/1/2012	
17. ELEVATIONS (DF, RKB, RT, GL): 6269' GL		18. TOTAL DEPTH: MD 13,938 TVD 12,995	
19. PLUG BACK T.D.: MD 13,933 TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? * no	
21. DEPTH BRIDGE MD PLUG SET: TVD		22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) none	
23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)			

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17 1/2	13 3/8 J55	54.5	0	1,500		G 1090	306	Surface	0
12 1/4	9 5/8 N80	40	0	4,628		G 982	452	Surface	0
8 3/4	7 p110	29	0	10,138		G 545	308	Surface	0
6 1/8	4 1/2 p110	13.5	9,906	13,894	(liner)	G 265	102	9906	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	8,363							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	10,077	13,938			13,445 13,779	.27	207	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) lower green river	8,356	10,077			13,071 13,407	.27	189	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					12,753 13,000	.27	222	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					12,327 12,710	.27	222	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD (continued in remarks)

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11532 - 11781	Add perms w/2-3/4" gun. Acidize w/7500 gals 15% HCL.
11260-11442	Add perms w/2-3/4" gun, 72 holes. Acidize w/7500 gals 15% HCL.
10078 - 10193	Add perms w/2-3/4" gun, 84 holes. Acidize w/7500 gals 15% HCL.

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☒ OTHER: Item 27 cont'd in remarks

30. WELL STATUS:

Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

31. INITIAL PRODUCTION										
DATE FIRST PRODUCED: 4/15/2010		TEST DATE: 6/21/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 118	GAS - MCF: 72	WATER - BBL: 72	PROD. METHOD: ESP
CHOKE SIZE:	TBG PRESS. 75	CSG. PRESS. 50	API GRAVITY 43.50	BTU - GAS	GAS/OIL RATIO 1	24 HR PRODUCTION RATES: →	OIL - BBL: 118	GAS - MCF: 72	WATER - BBL: 72	INTERVAL STATUS: open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE	TBG PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc	Name	Top (Measured Depth)
GRRV	4,668	5,652	stacked SS, siltstone, shale, dolo, LS		
GRN1	5,652	6,793	stacked SS, siltstone, shale, dolo, LS		
GRMHB	6,793	8,356	stacked SS, siltstone, shale, dolo, LS		
TGR3	8,356	10,077	stacked SS, siltstone, shale, dolo, LS		
Wasatch	10,077	13,938	stacked SS, siltstone, shale, dolo, LS		

35. ADDITIONAL REMARKS (include plugging procedure)

#27. Perforation Record continued: 11532-11781; 11260-11442; 10078-10193

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Linda Renken

TITLE Regulatory Analyst

SIGNATURE



DATE 8/14/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
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